

SAFETY DATA SHEET

Complying with Regulation No. 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No. 1272/2008/EC (CLP)

Revision date: 11/08/2023

Print date: 11/08/2023

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Texjet Inks – Cleaner (TIP210CL)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Cleaning and maintenance solution for Direct to Garment Texjet® Printers.

1.3 Details of the supplier of the safety data sheet

POLYPRINT SA

7th KM SIMMACHIKI STR. - OREOKASTROU,

Postal Code 57013, PO BOX 130, THESSALONIKI, GREECE

Telephone: +30 (2310) 545 087, 949 366, 246 418

Email: info@polyprintdtg.com

1.4 Emergency telephone number

European Emergency: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07 Acute Tox. (Oral) 4

H302 Harmful if swallowed



GHS08 Specific Target Organ Tox.
(Rep. Exposure) 2

H373 May cause damage to organs through prolonged or
repeated exposure

(Contd. on page 2)

(Contd. on page 1)

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

Hazard pictograms:



GHS07

Signal word: Warning



GHS08

Signal word: Warning

Hazard-determining components of labelling:

1,2-Ethanediol

Hazard statements:

H302

Harmful if swallowed.

H373

May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P260

Do not breath mist or vapours.

P264

Wash skin thoroughly after handling.

P270

Do not eat, drink, or smoke when using this product.

P301+P312

IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.

P314

Get medical advice/attention if you feel unwell.

P330

Rinse mouth.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture consisting of the following hazardous ingredients:

Ingredients according to Regulation (EU) 2020/878		
CAS: 107-21-1 EC number: 203-473-3 Reg.nr.: 01-2119456816-28-XXXX	1,2-Ethanediol	4-8%
	 Acute Tox. 4 (Oral), H302  Specific target organ Tox. (Rep. Exposure) 2, H373	
CAS: 57-55-6 EC number: 200-338-0 Reg.nr.: 01-2119456809-23-XXXX	Propane-1,2-diol Not classified as hazardous.	30-40%

Composition Comments: Non-listed components are not hazardous or are below required disclosure limits.

The above products are compliant to REACH registrations' obligations (EC) No. 1272/2008 and OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air. Seek immediate medical advice.

After inhalation: May cause irritation of the upper respiratory passages with coughing and discomfort. May cause respiratory disorders (sensitization). Persons with sensitive airways may react to vapours. If breathing is difficult, transport to fresh air and seek medical treatment.

After skin contact: May cause skin irritation with discomfort or rash. Immediately wash with warm water and soap and rinse thoroughly. Remove contaminated clothing. In case of skin irritation, consult a physician.

After eye contact: May cause eye corrosion with corneal or conjunctival ulceration. Avoid strong water jet-risk of cornea damage. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 15 minutes. Get medical attention if irritation persists.

(Contd. on page 4)

(Contd. on page 3)

After swallowing: Ingestion may cause methemoglobinemia (reduced oxygen carrying capacity of the blood) with headache, weakness or cyanosis (bluish discoloration of the skin) possibly progressing to dizziness, incoordination, shortness of breath, increased pulse rate and loss of consciousness. May cause throat irritation. Drink plenty of water and provide fresh air. Do NOT induce vomiting. Call for a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

May cause mechanical irritation, dry skin through repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

If any symptoms appear, get medical advice and give them this SDS sheet.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray, foam, carbon dioxide (CO₂), dry powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as it will spread the fire.

5.2 Special hazards arising from the substance or mixture

Not expected to be flammable, although it is possible that carbon black may form explosive dust-air-mixtures. In case of fire, take into account the surrounding area.

Hazardous combustion products: Carbon dioxide, carbon monoxide, nitrogen oxides.

5.3 Advice for firefighters

Protective equipment:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Additional information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

In case of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel.

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. (Contd. on page 5)

(Contd. on page 4)

6.1.2 For emergency responders

Avoid contact with the skin and the eyes. Avoid breathing vapours, mist or gas. For personal protection see section 8.

6.2 Environmental precautions:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Avoid dispersal of spilt material and runoff, and avoid contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.4 Reference to other sections:

See Section 1 for emergency contact information.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid breathing vapours, mists and gases. Ensure adequate ventilation. Handle and open container with care. Use good personal hygiene practices and wear appropriate protective equipment (see section 8).

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in cool, dry conditions in well-sealed receptacles, protected from sunlight.

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Materials to avoid include: Strong oxidizing agents, strong acids, strong bases.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Chemical Name (s)	Occupational exposure limits	Source
Propane-1,2-diol CAS: 57-55-6	Short-term value: None known Long-term value: None known	Europe. Indicative Occupational Exposure Limit Value (IOELV)
1,2-Ethenediol (vapour) CAS: 107-21-1	Short-term value: 40 ppm, 104 mg/m ³ Long-term value: 20 ppm, 52 mg/m ³	Europe. Indicative Occupational Exposure Limit Value (IOELV)

Monitoring procedures: Use methods described in European Standards.

Derived No Effect Level (DNEL):

Propane-1,2-diol

Application Area	Exposure routes	Health Effect	Value
Workers Inhalation	Inhalation	Long-term systemic effects	168 mg/m ³
Workers Inhalation	Inhalation	Long-term local effects	10 mg/m ³
General population	Inhalation	Long-term systemic effects	50 mg/m ³
General population	Inhalation	Long-term local effects	10 mg/m ³
General population	Oral	Long-term systemic effects	0.024 mg/kg bw/day
General population	Oral	Short-term systemic effects	0.024 mg/kg bw/day

1,2-Ethenediol

Application area	Exposure routes	Health effect	Value
Workers	Inhalation	Long-term local effects	35 mg/m ³
Workers	Dermal	Long-term systemic effects	106 mg/kg bw/day
General population	Inhalation	Long-term local effects	7 mg/m ³
General population	Dermal	Long-term systemic effects	53 mg/kg bw/day

(Contd. on page 7)

(Contd. on page 6)

Predicted No Effect Concentration (PNEC):**Propane-1,2-diol**

Compartment	Value
Fresh water	260 mg/L
Marine water	26 mg/L
Sewage treatment plant	20000 mg/L
Fresh water sediment	572 mg/kg sediment dw
Marine sediment	57.2 mg/kg sediment dw
Soil	50 mg/kg soil dw

1,2-Ethanediol

Compartment	Value
Fresh water	10 mg/L
Marine water	1 mg/L
Sewage treatment plant	199.5 mg/L
Fresh water sediment	37 mg/kg sediment dw
Marine sediment	3.7 mg/kg sediment dw
Soil	1.53 mg/kg soil dw

8.2 Exposure controls**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

If exposure limits have not been established, maintain airborne levels to an acceptable level.

Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Concentrations should be monitored hazardous substances in the workplace in accordance with recognized test methods. Mode, method, type and frequency of testing and measurement of harmful factors in the working environment should meet the requirements of local/regional/national laws.

Individual protection measures, such as personal protective equipment**Respiratory protection:**

Where risk assessment shows that respiratory protection should be used, use respirators and components tested and approved under appropriate government standards such as NIOSH or MSHA-approved respiratory protection.

(Contd. on page 8)

(Contd. on page 7)

Hand protection:

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. The protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Wash hands after use.

Eye/face protection:

Wear safety glasses with side shields (or goggles). Use equipment for eye protection tested and approved under EU standards.

Body protection:

Protective work clothing

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Clear
Odour:	Mild to odourless
Odour threshold:	Not determined
Melting point/Freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not expected to be flammable
Lower and upper explosion limit	
Lower (%):	Not determined
Upper (%):	Not determined
Flash point:	Not determined
Auto-ignition temperature:	Not determined

Decomposition temperature:	Not determined
pH:	8 – 9.5
Viscosity:	Not determined
Solubility in water:	Readily soluble in water
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	Not determined
Relative vapour density:	Not determined
Decomposition temperature:	No decomposition observed
Particle characteristics:	Not applicable

9.2 Other information

Information with regard to Physical Hazard Classes: None known

Other Safety Characteristics: None known

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No hazardous reactions anticipated under normal storage and handling conditions.

10.2 Chemical stability: Stable under normal ambient and anticipated conditions of use.

10.3 Possibility of hazardous reactions: None expected.

10.4 Conditions to avoid: Avoid extremes of temperature and direct sunlight.

10.5 Incompatible materials: Strong oxidizing agents, strong acids, strong bases.

10.6 Hazardous decomposition products: Carbon dioxide, carbon monoxide, nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propane-1,2-diol	22000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 317042 mg/m ³ (2h) (Rat)
1,2-Ethanediol	7712 mg/kg (Rat)	> 3500 mg/kg (Rabbit)	> 2.5 mg/L air (6h) (Rat)

Skin corrosion/irritation: Not expected to cause skin irritation

Serious eye damage/irritation: Not expected to cause eye irritation.

Respiratory or skin sensitisation: Not expected to cause respiratory sensitization. Not expected to cause skin sensitization or allergic reaction.

Germ cell mutagenicity: Not expected to cause heritable mutations in human germ cells.

Carcinogenicity: Not expected to cause cancer.

Reproductive toxicity: Not expected to cause damage to fertility or the unborn child.

STOT-single exposure: This product is not expected to cause specific target organ toxicity after a single exposure.

STOT-repeated exposure: This product is not expected to cause specific target organ toxicity after a prolonged or repeated exposure.

Aspiration hazard: This product is not anticipated to be an aspiration hazard if swallowed.

11.2 Information on other hazards

Endocrine disrupting properties: None of the components have endocrine disrupting properties.

Information on other hazards: None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Component	Algae	Freshwater Fish	Invertebrate
Propane-1,2-diol	EC50: 19000 mg/L, 96h (Pseudokirchnerella subcapitata)	LC50: 40613 mg/L, 96h (Oncorhynchus mykiss)	LC50: 18340 mg/L, 48h (Ceriodaphnia dubia)
1,2-Ethanediol	EC50: 4566 mg/L, 96h (Pseudokirchnerella subcapitata)	LC50: 72860 mg/L, 96h (Pimephales promelas)	LC50: 13900-57600 mg/L, 48h (Daphnia Magna)

12.2 Persistence and degradability:

No data available for this product.

12.3 Bioaccumulative potential:

No data available for this product.

12.4 Mobility in soil:

The product is water soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties:

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation



Dispose according to National Regulations

(Contd. on page 12)

(Contd. on page 11)



Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

European waste catalogue

HP14 Ecotoxic

Uncleaned packaging:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number:

ADR/RID, IMDG, IATA: Not applicable

14.2 UN proper shipping name:

ADR/RID, IMDG, IATA: Not hazardous for transport

14.3 Transport hazard class(es):

ADR/RID, ADN, IMDG, IATA Class: n/a

14.4 Packing group:

ADR/RID: II, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: Not expected

14.6 Special precautions for user:

Non known.

14.7 Maritime transport in bulk according to IMO instruments:

Not applicable.

UN "Model Regulation": Void

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

(Contd. on page 13)

(Contd. on page 12)

Council Directive 94/33/EC on the protection of young people at work, as amended.
 Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Seveso III - Directive 2012/18/EU

Named dangerous substances - ANNEX I Does not contain named substances.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

USA Regulations: All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H312

Harmful in contact with skin.

H315

Causes skin irritation.

(Contd. on page 14)

(Contd. on page 13)

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Training hints

Suitable training on safety in handling, storing, and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

Acute Tox. 4: Acute toxicity – Category 4

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL: Derived No-Effect Level (UK REACH)

EC50: Half maximal effective concentration

EINECS: European Inventory of Existing Commercial Chemical Substances

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

IBC: International Bulk Code

IMDG: International Maritime Code for Dangerous Goods

IOLEV: Indicative Occupational Exposure Limit Value

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

MARPOL: International Convention for the Prevention of Pollution from Ships

OEL: Occupational Exposure Level

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted No-Effect Concentration (UK REACH)

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

SCBA: Self Contained Breathing Apparatus

SCL: Specific Concentration Limits

vPvB: very Persistent and very Bioaccumulative

WEL: Workplace Exposure Limit

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

SAFETY DATA SHEET

Complying with Regulation No. 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No. 1272/2008/EC (CLP)

Revision date: 22/11/2022

Print date: 22/11/2022

Version: 2.0 (Replaces Version 1.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Texjet Inks - CYAN (TIP101C)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Water-based pigment ink for textile printing with Direct to Garment Texjet® Printers.

1.3 Details of the supplier of the safety data sheet

POLYPRINT SA

7th KM SIMMACHIKI STR. - OREOKASTROU,

Postal Code 57013, PO BOX 130, THESSALONIKI, GREECE

Telephone: +30 (2310) 545 087, 949 366, 246 418

Email: info@polyprintdtg.com

1.4 Emergency telephone number

European Emergency: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07 Acute Tox. (Oral) 4

H302 Harmful if swallowed



GHS08 Specific target organ toxicity, Repeated exposure 2 H373 Causes damage to organs
though prolonged or repeated exposure

(Contd. on page 2)

(Contd. on page 1)

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

Hazard pictograms:



GHS07

Signal word: Warning



GHS08

Signal word: Warning

Hazard-determining components of labelling:

Ethylene glycol

Hazard statements:

H302 Harmful if swallowed.

H373 Causes damage to organs through prolonged or repeated exposure

Precautionary statements:

P102	Keep out of reach of children.
P260	Do not breathe mist or vapours.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P312	If swallowed: Call a Poison Center/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture consisting of the following hazardous ingredients:

Ingredients according to Regulation (EU) 2020/878		
CAS: 107-21-1 EC number: 203-473-3 Reg.nr.:	Ethylene glycol	≥10-15%
	 Acute Tox. 4 (Oral), H302  Specific target organ Tox. Rep. Exposure 2, H373	
CAS: 56-81-5 EC number: 200-289-5 Reg.nr.:	Glycerol Not classified as hazardous.	≥1-10%

Composition Comments: Non-listed components are not hazardous or are below required disclosure limits.

The above products are compliant to REACH registrations' obligations (EC) No. 1272/2008 and OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air. Seek immediate medical advice.

After inhalation: May cause irritation of the upper respiratory passages with coughing and discomfort. May cause respiratory disorders (sensitization). Persons with sensitive airways may react to vapours. If breathing is difficult, transport to fresh air and seek medical treatment.

After skin contact: May cause skin irritation with discomfort or rash. Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. In case of skin irritation, consult a physician.

After eye contact: May cause eye corrosion with corneal or conjunctival ulceration. Avoid strong water jet-risk of cornea damage. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 15 minutes. Get medical attention if irritation persists.

After swallowing: Ingestion may cause methemoglobinemia (reduced oxygen carrying capacity of the blood) with headache, weakness or cyanosis (bluish discoloration of the skin) possibly progressing to dizziness, incoordination, shortness of breath, increased pulse rate and loss of consciousness. May cause throat irritation. Drink plenty of water and provide fresh air. Call for a doctor immediately. Never give anything by mouth to an unconscious person.

(Contd. on page 4)

(Contd. on page 3)

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards: May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray.

Foam

Sand or soil

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Additional information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

In case of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles, and respiratory device with filter type A.

(Contd. on page 5)

(Contd. on page 4)

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent the product from entering sewers, rivers or the aquatic environment.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust, silica gel).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:** No special precautions are necessary if used correctly.**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in cool, dry conditions in well-sealed receptacles.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Chemical Name (s)	ACGIH TLV	OSHA PEL	European Union
Ethylene Glycol CAS: 107-21-1	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m ³	(Vacated) Ceiling: 50 ppm (Vacated) Ceiling: 125 mg/m ³	TWA: 20 ppm TWA: 52 mg/m ³ STEL: 40 ppm STEL: 104 mg/m ³
Glycerol (mist) CAS: 56-81-5	-	TWA (total dust): 15 mg/m ³	-

(Contd. on page 6)

(Contd. on page 5)

Applicable Exposure Limits and Exposure Data:

PEL (OSHA): None Established
 TLV (ACGIH): None Established
 AEL * (Internal): 5 mg/m³, 8 Hr. TWA, total dust
 LD50 (rat, oral): 3,900 mg/kg (supplier)
 LC50 (rat, inhalation/4 hr.): No data available

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:
 Wash hands before breaks and at the end of work.
 Do not inhale dust / smoke / mist.
 Avoid contact with the eyes and skin.

Respiratory protection:

In conditions of inadequate ventilation, use an appropriate respirator.

Hand protection:

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation.
 The protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye/face protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

Environmental exposure controls

Do not release the product into the environment without control.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Blue
Odour	Odourless
Odour threshold	Not determined
Flammability	Not self-igniting.
Lower and upper explosion limit Lower Upper	Not determined Not determined
Flash point	> 95 °C (>203 °F)
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	7-8.7
Viscosity	
Kinematic viscosity	Not determined
Dynamic	Not determined
Solubility in water:	Miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density Density Relative density Vapour density	Not determined Not determined Not determined

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions

10.2 Chemical stability: Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided: Stable at environment temperature.

10.3 Possibility of hazardous reactions: Hazardous polymerization does not occur.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Nitrogen Oxides of Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Component	LD50 Oral	LD50 Derma	LC50 Inhalation
Ethylene Glycol	7712 mg/kg (Rat)	9530 mL/kg (Rabbit) 10600 mg/kg (Rat) > 3500 mg/kg (mice)	> 2.5 mg/L/6h (Rat)
Glycerol	12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 mg/L/4h (Rat, mist)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: No mutagenic components identified.

Carcinogenicity: This mixture has no evidence of carcinogenic properties.

Reproductive toxicity: No components toxic to reproduction.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Additional toxicological information:

Repeated dose toxicity Based on available data the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties: None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

(Contd. on page 9)

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ethylene Glycol	EC50: 6500 - 13000 mg/L, 96h (Pseudokrichneriella subcapitata)	LC50: 14 - 18 mL/L, 96h static (Oncorhynchus mykiss) LC50: = 27540 mg/L, 96h static (Lepomis macrochirus) LC50: = 40761 mg/L, 96h static (Oncorhynchus mykiss) LC50: 40000 - 60000 mg/L, 96h static (Pimephales promelas)	-	EC50: = 46300 mg/L, 48h (Daphnia magna)

		LC50: = 16000 mg/L, 96h static (Poecilia reticulata) LC50: = 41000 mg/L, 96h (Oncorhynchus mykiss)		
Glycerol	-	LC50: 51 - 57 mL/L, 96h static (Oncorhynchus mykiss)	-	-

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential:

Component	log Pow
Ethylene Glycol	-1.93
Glycerol	-1.76

12.4 Mobility in soil

The product is water soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties

12.7 Other adverse effects

Harmful to aquatic life with long lasting effects.

(Contd. on page 8)

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations



Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

European waste catalogue

HP14 Ecotoxic

(Contd. on page 10)

(Contd. on page 9)

Uncleaned packaging:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number or ID number**

ADR, IMDG, IATA: Void

14.2 UN proper shipping name

ADR, IMDG, IATA: Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

14.4 Packing group

ADR, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments: Not applicable.

UN "Model Regulation": Void

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Seveso III - Directive 2012/18/EU

Named dangerous substances - ANNEX I Does not contain named substances.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 11)

(Contd. on page 10)

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

USA Regulations: All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.

NFPA Hazard ID

1	Flammability
1	Health
1	Reactivity
0	Special hazard

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision: The revision 2.0 of this Safety Data Sheet document focuses on the updated content according to the European Regulation 2020/878 in regard to the compilation of SDS.

(Contd. on page 12)

(Contd. on page 11)

Relevant phrases

H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.
 H413 May cause long lasting harmful effects to aquatic life.
 EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Training hints

Suitable training on safety in handling, storing, and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (UK REACH)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity – Category 4
 Specific target organ Tox. Rep. Exposure 2: specific target organ toxicity, repeated exposure – Category 2

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

SAFETY DATA SHEET

Complying with Regulation No. 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No. 1272/2008/EC (CLP)

Revision date: 22/11/2022

Print date: 22/11/2022

Version: 2.0 (Replaces Version 1.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Texjet Inks - MAGENTA (TIP102M)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Water-based pigment ink for textile printing with Direct to Garment Texjet® Printers.

1.3 Details of the supplier of the safety data sheet

POLYPRINT SA

7th KM SIMMACHIKI STR. - OREOKASTROU,

Postal Code 57013, PO BOX 130, THESSALONIKI, GREECE

Telephone: +30 (2310) 545 087, 949 366, 246 418

Email: info@polyprintdtg.com

1.4 Emergency telephone number

European Emergency: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07 Acute Tox. (Oral) 4

H302 Harmful if swallowed



GHS08 Specific target organ toxicity, Repeated exposure 2 H373 Causes damage to organs
though prolonged or repeated exposure

(Contd. on page 2)

(Contd. on page 1)

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

Hazard pictograms:



GHS07

Signal word: Warning



GHS08

Signal word: Warning

Hazard-determining components of labelling:

Ethylene glycol

Hazard statements:

H302 Harmful if swallowed.

H373 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

P102	Keep out of reach of children.
P260	Do not breathe mist or vapours.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P312	If swallowed: Call a Poison Center/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture consisting of the following hazardous ingredients:

Ingredients according to Regulation (EU) 2020/878		
CAS: 107-21-1 EC number: 203-473-3 Reg.nr.:	Ethylene glycol	≥10-15%
	 Acute Tox. 4 (Oral), H302  Specific target organ Tox. Rep. Exposure 2, H373	
CAS: 56-81-5 EC number: 200-289-5 Reg.nr.:	Glycerol Not classified as hazardous.	≥1-10%

Composition Comments: Non-listed components are not hazardous or are below required disclosure limits.

The above products are compliant to REACH registrations' obligations (EC) No. 1272/2008 and OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air. Seek immediate medical advice.

After inhalation: May cause irritation of the upper respiratory passages with coughing and discomfort. May cause respiratory disorders (sensitization). Persons with sensitive airways may react to vapours. If breathing is difficult, transport to fresh air and seek medical treatment.

After skin contact: May cause skin irritation with discomfort or rash. Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. In case of skin irritation, consult a physician.

After eye contact: May cause eye corrosion with corneal or conjunctival ulceration. Avoid strong water jet-risk of cornea damage. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 15 minutes. Get medical attention if irritation persists.

After swallowing: Ingestion may cause methemoglobinemia (reduced oxygen carrying capacity of the blood) with headache, weakness or cyanosis (bluish discoloration of the skin) possibly progressing to dizziness, incoordination, shortness of breath, increased pulse rate and loss of consciousness. May cause throat irritation. Drink plenty of water and provide fresh air. Call for a doctor immediately. Never give anything by mouth to an unconscious person.

(Contd. on page 4)

(Contd. on page 3)

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards: May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray.

Foam

Sand or soil

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Additional information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

In case of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles, and respiratory device with filter type A.

(Contd. on page 5)

(Contd. on page 4)

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent the product from entering sewers, rivers or the aquatic environment.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust, silica gel).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:** No special precautions are necessary if used correctly.**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in cool, dry conditions in well-sealed receptacles.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Chemical Name (s)	ACGIH TLV	OSHA PEL	European Union
Ethylene Glycol CAS: 107-21-1	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m ³	(Vacated) Ceiling: 50 ppm (Vacated) Ceiling: 125 mg/m ³	TWA: 20 ppm TWA: 52 mg/m ³ STEL: 40 ppm STEL: 104 mg/m ³
Glycerol (mist) CAS: 56-81-5	-	TWA (total dust): 15 mg/m ³	-

(Contd. on page 6)

(Contd. on page 5)

Applicable Exposure Limits and Exposure Data:

PEL (OSHA): None Established
TLV (ACGIH): None Established
AEL * (Internal): 5 mg/m³, 8 Hr. TWA, total dust
LD50 (rat, oral): 3,900 mg/kg (supplier)
LC50 (rat, inhalation/4 hr.): No data available

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Respiratory protection:

In conditions of inadequate ventilation, use an appropriate respirator.

Hand protection:

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. The protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye/face protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

Environmental exposure controls

Do not release the product into the environment without control.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Pink/Red
Odour	Odourless
Odour threshold	Not determined
Flammability	Not self-igniting.
Lower and upper explosion limit Lower Upper	Not determined Not determined
Flash point	> 95 °C (>203 °F)
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	7-8.7
Viscosity	
Kinematic viscosity	Not determined
Dynamic	Not determined
Solubility in water:	Miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density Density Relative density Vapour density	Not determined Not determined Not determined

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions

10.2 Chemical stability: Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided: Stable at environment temperature.

10.3 Possibility of hazardous reactions: Hazardous polymerization does not occur.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Nitrogen Oxides of Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Component	LD50 Oral	LD50 Derma	LC50 Inhalation
Ethylene Glycol	7712 mg/kg (Rat)	9530 mL/kg (Rabbit) 10600 mg/kg (Rat) > 3500 mg/kg (mice)	> 2.5 mg/L/6h (Rat)
Glycerol	12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 mg/L/4h (Rat, mist)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: No mutagenic components identified.

Carcinogenicity: This mixture has no evidence of carcinogenic properties.

Reproductive toxicity: No components toxic to reproduction.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Additional toxicological information:

Repeated dose toxicity Based on available data the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties: None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

(Contd. on page 9)

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ethylene Glycol	EC50: 6500 - 13000 mg/L, 96h (Pseudokrichneriella subcapitata)	LC50: 14 - 18 mL/L, 96h static (Oncorhynchus mykiss) LC50: = 27540 mg/L, 96h static (Lepomis macrochirus) LC50: = 40761 mg/L, 96h static (Oncorhynchus mykiss) LC50: 40000 - 60000 mg/L, 96h static (Pimephales promelas)	-	EC50: = 46300 mg/L, 48h (Daphnia magna)

		LC50: = 16000 mg/L, 96h static (Poecilia reticulata) LC50: = 41000 mg/L, 96h (Oncorhynchus mykiss)		
Glycerol	-	LC50: 51 - 57 mL/L, 96h static (Oncorhynchus mykiss)	-	-

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential:

Component	log Pow
Ethylene Glycol	-1.93
Glycerol	-1.76

12.4 Mobility in soil

The product is water soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties

12.7 Other adverse effects

Harmful to aquatic life with long lasting effects.

(Contd. on page 8)

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations



Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

European waste catalogue

HP14 Ecotoxic

(Contd. on page 10)

(Contd. on page 9)

Uncleaned packaging:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number or ID number**

ADR, IMDG, IATA: Void

14.2 UN proper shipping name

ADR, IMDG, IATA: Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

14.4 Packing group

ADR, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments: Not applicable.

UN "Model Regulation": Void

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Seveso III - Directive 2012/18/EU

Named dangerous substances - ANNEX I Does not contain named substances.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 11)

(Contd. on page 10)

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

USA Regulations: All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.

NFPA Hazard ID

1	Flammability
1	Health
1	Reactivity
0	Special hazard

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision: The revision 2.0 of this Safety Data Sheet document focuses on the updated content according to the European Regulation 2020/878 in regard to the compilation of SDS.

(Contd. on page 12)

(Contd. on page 11)

Relevant phrases

H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
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 H335 May cause respiratory irritation.
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Training hints

Suitable training on safety in handling, storing, and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
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 ELINCS: European List of Notified Chemical Substances
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 DNEL: Derived No-Effect Level (UK REACH)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity – Category 4
 Specific target organ Tox. Rep. Exposure 2: specific target organ toxicity, repeated exposure – Category 2

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SAFETY DATA SHEET

Complying with Regulation No. 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No. 1272/2008/EC (CLP)

Revision date: 22/11/2022

Print date: 22/11/2022

Version: 2.0 (Replaces Version 1.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Texjet Inks - YELLOW (TIP103Y)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Water-based pigment ink for textile printing with Direct to Garment Texjet® Printers.

1.3 Details of the supplier of the safety data sheet

POLYPRINT SA

7th KM SIMMACHIKI STR. - OREOKASTROU,

Postal Code 57013, PO BOX 130, THESSALONIKI, GREECE

Telephone: +30 (2310) 545 087, 949 366, 246 418

Email: info@polyprintdtg.com

1.4 Emergency telephone number

European Emergency: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07 Acute Tox. (Oral) 4

H302 Harmful if swallowed



GHS08 Specific target organ toxicity, Repeated exposure 2 H373 Causes damage to organs
though prolonged or repeated exposure

(Contd. on page 2)

(Contd. on page 1)

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

Hazard pictograms:



GHS07

Signal word: Warning



GHS08

Signal word: Warning

Hazard-determining components of labelling:

Ethylene glycol

Hazard statements:

H302 Harmful if swallowed.

H373 Causes damage to organs through prolonged or repeated exposure

Precautionary statements:

P102	Keep out of reach of children.
P260	Do not breathe mist or vapours.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P312	If swallowed: Call a Poison Center/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture consisting of the following hazardous ingredients:

Ingredients according to Regulation (EU) 2020/878		
CAS: 107-21-1 EC number: 203-473-3	Ethylene glycol	≥10-15%
	 Acute Tox. 4 (Oral), H302  Specific target organ Tox. Rep. Exposure 2, H373	
CAS: 56-81-5 EC number: 200-289-5	Glycerol Not classified as hazardous.	≥1-10%

Composition Comments: Non-listed components are not hazardous or are below required disclosure limits.

The above products are compliant to REACH registrations' obligations (EC) No. 1272/2008 and OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air. Seek immediate medical advice.

After inhalation: May cause irritation of the upper respiratory passages with coughing and discomfort. May cause respiratory disorders (sensitization). Persons with sensitive airways may react to vapours. If breathing is difficult, transport to fresh air and seek medical treatment.

After skin contact: May cause skin irritation with discomfort or rash. Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. In case of skin irritation, consult a physician.

After eye contact: May cause eye corrosion with corneal or conjunctival ulceration. Avoid strong water jet-risk of cornea damage. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 15 minutes. Get medical attention if irritation persists.

After swallowing: Ingestion may cause methemoglobinemia (reduced oxygen carrying capacity of the blood) with headache, weakness, or cyanosis (bluish discoloration of the skin) possibly progressing to dizziness, incoordination, shortness of breath, increased pulse rate and loss of consciousness. May cause throat irritation. Drink plenty of water and provide fresh air. Call for a doctor immediately. Never give anything by mouth to an unconscious person.

(Contd. on page 4)

(Contd. on page 3)

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards: May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder, or water spray.

Foam

Sand or soil

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Additional information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

In case of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles, and respiratory device with filter type A.

(Contd. on page 5)

(Contd. on page 4)

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent the product from entering sewers, rivers or the aquatic environment.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust, silica gel).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:** No special precautions are necessary if used correctly.**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in cool, dry conditions in well-sealed receptacles.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Chemical Name (s)	ACGIH TLV	OSHA PEL	European Union
Ethylene Glycol CAS: 107-21-1	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m ³	(Vacated) Ceiling: 50 ppm (Vacated) Ceiling: 125 mg/m ³	TWA: 20 ppm TWA: 52 mg/m ³ STEL: 40 ppm STEL: 104 mg/m ³
Glycerol (mist) CAS: 56-81-5	-	TWA (total dust): 15 mg/m ³	-

(Contd. on page 6)

(Contd. on page 5)

Applicable Exposure Limits and Exposure Data:

PEL (OSHA): None Established
 TLV (ACGIH): None Established
 AEL * (Internal): 5 mg/m³, 8 Hr. TWA, total dust
 LD50 (rat, oral): 3,900 mg/kg (supplier)
 LC50 (rat, inhalation/4 hr.): No data available

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Respiratory protection:

In conditions of inadequate ventilation, use an appropriate respirator.

Hand protection:

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. The protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye/face protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

Environmental exposure controls

Do not release the product into the environment without control.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Yellow
Odour	Odourless
Odour threshold	Not determined
Flammability	Not self-igniting.
Lower and upper explosion limit Lower Upper	Not determined Not determined
Flash point	> 95 °C (>203 °F)
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	7-8.7
Viscosity	
Kinematic viscosity	Not determined
Dynamic	Not determined
Solubility in water:	Miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density Density Relative density Vapour density	Not determined Not determined Not determined

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions

10.2 Chemical stability: Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided: Stable at environment temperature.

10.3 Possibility of hazardous reactions: Hazardous polymerization does not occur.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Nitrogen Oxides of Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Component	LD50 Oral	LD50 Derma	LC50 Inhalation
Ethylene Glycol	7712 mg/kg (Rat)	9530 mL/kg (Rabbit) 10600 mg/kg (Rat) > 3500 mg/kg (mice)	> 2.5 mg/L/6h (Rat)
Glycerol	12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 mg/L/4h (Rat, mist)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: No mutagenic components identified.

Carcinogenicity: This mixture has no evidence of carcinogenic properties.

Reproductive toxicity: No components toxic to reproduction.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Additional toxicological information:

Repeated dose toxicity Based on available data the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties: None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

(Contd. on page 9)

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ethylene Glycol	EC50: 6500 - 13000 mg/L, 96h (Pseudokrichneriella subcapitata)	LC50: 14 - 18 mL/L, 96h static (Oncorhynchus mykiss) LC50: = 27540 mg/L, 96h static (Lepomis macrochirus) LC50: = 40761 mg/L, 96h static (Oncorhynchus mykiss) LC50: 40000 - 60000 mg/L, 96h static (Pimephales promelas)	-	EC50: = 46300 mg/L, 48h (Daphnia magna)

		LC50: = 16000 mg/L, 96h static (Poecilia reticulata) LC50: = 41000 mg/L, 96h (Oncorhynchus mykiss)		
Glycerol	-	LC50: 51 - 57 mL/L, 96h static (Oncorhynchus mykiss)	-	-

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential:

Component	log Pow
Ethylene Glycol	-1.93
Glycerol	-1.76

12.4 Mobility in soil

The product is water soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties

12.7 Other adverse effects

Harmful to aquatic life with long lasting effects.

(Contd. on page 8)

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations



Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

European waste catalogue

HP14 Ecotoxic

(Contd. on page 10)

(Contd. on page 9)

Uncleaned packaging:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number or ID number**

ADR, IMDG, IATA: Void

14.2 UN proper shipping name

ADR, IMDG, IATA: Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

14.4 Packing group

ADR, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments: Not applicable.

UN "Model Regulation": Void

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Seveso III - Directive 2012/18/EU

Named dangerous substances - ANNEX I Does not contain named substances.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 11)

(Contd. on page 10)

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

USA Regulations: All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.

NFPA Hazard ID

1	Flammability
1	Health
1	Reactivity
0	Special hazard

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision: The revision 2.0 of this Safety Data Sheet document focuses on the updated content according to the European Regulation 2020/878 in regard to the compilation of SDS.

(Contd. on page 12)

(Contd. on page 11)

Relevant phrases

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Training hints

Suitable training on safety in handling, storing, and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Specific target organ Tox. Rep. Exposure 2: specific target organ toxicity, repeated exposure – Category 2

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

SAFETY DATA SHEET

Complying with Regulation No. 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No. 1272/2008/EC (CLP)

Revision date: 22/11/2022

Print date: 22/11/2022

Version: 2.0 (Replaces Version 1.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Texjet Inks - BLACK (TIP104K)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Water-based pigment ink for textile printing with Direct to Garment Texjet® Printers.

1.3 Details of the supplier of the safety data sheet

POLYPRINT SA

7th KM SIMMACHIKI STR. - OREOKASTROU,

Postal Code 57013, PO BOX 130, THESSALONIKI, GREECE

Telephone: +30 (2310) 545 087, 949 366, 246 418

Email: info@polyprintdtg.com

1.4 Emergency telephone number

European Emergency: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07 Acute Tox. (Oral) 4

H302 Harmful if swallowed



GHS08 Specific target organ toxicity, Repeated exposure 2 H373 Causes damage to organs
though prolonged or repeated exposure

(Contd. on page 2)

(Contd. on page 1)

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

Hazard pictograms:



GHS07

Signal word: Warning



GHS08

Signal word: Warning

Hazard-determining components of labelling:

Ethylene glycol

Hazard statements:

H302 Harmful if swallowed.

H373 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

P102	Keep out of reach of children.
P260	Do not breathe mist or vapours.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P312	If swallowed: Call a Poison Center/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture consisting of the following hazardous ingredients:

Ingredients according to Regulation (EU) 2020/878		
CAS: 107-21-1 EC number: 203-473-3 Reg.nr.:	Ethylene glycol	≥10-15%
	 Acute Tox. 4 (Oral), H302  Specific target organ Tox. Rep. Exposure 2, H373	
CAS: 56-81-5 EC number: 200-289-5 Reg.nr.:	Glycerol Not classified as hazardous.	≥1-10%

Composition Comments: Non-listed components are not hazardous or are below required disclosure limits.

The above products are compliant to REACH registrations' obligations (EC) No. 1272/2008 and OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air. Seek immediate medical advice.

After inhalation: May cause irritation of the upper respiratory passages with coughing and discomfort. May cause respiratory disorders (sensitization). Persons with sensitive airways may react to vapours. If breathing is difficult, transport to fresh air and seek medical treatment.

After skin contact: May cause skin irritation with discomfort or rash. Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. In case of skin irritation, consult a physician.

After eye contact: May cause eye corrosion with corneal or conjunctival ulceration. Avoid strong water jet-risk of cornea damage. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 15 minutes. Get medical attention if irritation persists.

After swallowing: Ingestion may cause methemoglobinemia (reduced oxygen carrying capacity of the blood) with headache, weakness or cyanosis (bluish discoloration of the skin) possibly progressing to dizziness, incoordination, shortness of breath, increased pulse rate and loss of consciousness. May cause throat irritation. Drink plenty of water and provide fresh air. Call for a doctor immediately. Never give anything by mouth to an unconscious person.

(Contd. on page 4)

(Contd. on page 3)

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards: May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray.

Foam

Sand or soil

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Additional information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

In case of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles, and respiratory device with filter type A.

(Contd. on page 5)

(Contd. on page 4)

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent the product from entering sewers, rivers or the aquatic environment.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust, silica gel).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:** No special precautions are necessary if used correctly.**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in cool, dry conditions in well-sealed receptacles.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Chemical Name (s)	ACGIH TLV	OSHA PEL	European Union
Ethylene Glycol CAS: 107-21-1	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m ³	(Vacated) Ceiling: 50 ppm (Vacated) Ceiling: 125 mg/m ³	TWA: 20 ppm TWA: 52 mg/m ³ STEL: 40 ppm STEL: 104 mg/m ³
Glycerol (mist) CAS: 56-81-5	-	TWA (total dust): 15 mg/m ³	-

(Contd. on page 6)

(Contd. on page 5)

Applicable Exposure Limits and Exposure Data:

PEL (OSHA): None Established
TLV (ACGIH): None Established
AEL * (Internal): 5 mg/m³, 8 Hr. TWA, total dust
LD50 (rat, oral): 3,900 mg/kg (supplier)
LC50 (rat, inhalation/4 hr.): No data available

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Respiratory protection:

In conditions of inadequate ventilation, use an appropriate respirator.

Hand protection:

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. The protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye/face protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

Environmental exposure controls

Do not release the product into the environment without control.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Black
Odour	Odourless
Odour threshold	Not determined
Flammability	Not self-igniting.
Lower and upper explosion limit Lower Upper	Not determined Not determined
Flash point	> 95 °C (>203 °F)
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	7-8.7
Viscosity	
Kinematic viscosity	Not determined
Dynamic	Not determined
Solubility in water:	Miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density Density Relative density Vapour density	Not determined Not determined Not determined

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions

10.2 Chemical stability: Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided: Stable at environment temperature.

10.3 Possibility of hazardous reactions: Hazardous polymerization does not occur.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Nitrogen Oxides of Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Component	LD50 Oral	LD50 Derma	LC50 Inhalation
Ethylene Glycol	7712 mg/kg (Rat)	9530 mL/kg (Rabbit) 10600 mg/kg (Rat) > 3500 mg/kg (mice)	> 2.5 mg/L/6h (Rat)
Glycerol	12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 mg/L/4h (Rat, mist)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: No mutagenic components identified.

Carcinogenicity: This mixture has no evidence of carcinogenic properties.

Reproductive toxicity: No components toxic to reproduction.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Additional toxicological information:

Repeated dose toxicity Based on available data the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties: None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

(Contd. on page 9)

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ethylene Glycol	EC50: 6500 - 13000 mg/L, 96h (Pseudokrichneriella subcapitata)	LC50: 14 - 18 mL/L, 96h static (Oncorhynchus mykiss) LC50: = 27540 mg/L, 96h static (Lepomis macrochirus) LC50: = 40761 mg/L, 96h static (Oncorhynchus mykiss) LC50: 40000 - 60000 mg/L, 96h static (Pimephales promelas)	-	EC50: = 46300 mg/L, 48h (Daphnia magna)

		LC50: = 16000 mg/L, 96h static (Poecilia reticulata) LC50: = 41000 mg/L, 96h (Oncorhynchus mykiss)		
Glycerol	-	LC50: 51 - 57 mL/L, 96h static (Oncorhynchus mykiss)	-	-

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential:

Component	log Pow
Ethylene Glycol	-1.93
Glycerol	-1.76

12.4 Mobility in soil

The product is water soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties

12.7 Other adverse effects

Harmful to aquatic life with long lasting effects.

(Contd. on page 8)

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations



Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

European waste catalogue

HP14 Ecotoxic

(Contd. on page 10)

(Contd. on page 9)

Uncleaned packaging:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number or ID number**

ADR, IMDG, IATA: Void

14.2 UN proper shipping name

ADR, IMDG, IATA: Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

14.4 Packing group

ADR, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments: Not applicable.

UN "Model Regulation": Void

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Seveso III - Directive 2012/18/EU

Named dangerous substances - ANNEX I Does not contain named substances.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 11)

(Contd. on page 10)

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

USA Regulations: All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.

NFPA Hazard ID

1	Flammability
1	Health
1	Reactivity
0	Special hazard

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision: The revision 2.0 of this Safety Data Sheet document focuses on the updated content according to the European Regulation 2020/878 in regard to the compilation of SDS.

(Contd. on page 12)

(Contd. on page 11)

Relevant phrases

H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H412 Harmful to aquatic life with long lasting effects.
 H413 May cause long lasting harmful effects to aquatic life.
 EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Training hints

Suitable training on safety in handling, storing, and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (UK REACH)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity – Category 4
 Specific target organ Tox. Rep. Exposure 2: specific target organ toxicity, repeated exposure – Category 2

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

SAFETY DATA SHEET

Complying with Regulation No. 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No. 1272/2008/EC (CLP)

Revision date: 22/11/2022

Print date: 22/11/2022

Version: 2.0 (Replaces Version 1.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Texjet Inks - WHITE (TIP105W)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Water-based pigment ink for textile printing with Direct to Garment Texjet® Printers.

1.3 Details of the supplier of the safety data sheet

POLYPRINT SA

7th KM SIMMACHIKI STR. - OREOKASTROU,

Postal Code 57013, PO BOX 130, THESSALONIKI, GREECE

Telephone: +30 (2310) 545 087, 949 366, 246 418

Email: info@polyprintdtg.com

1.4 Emergency telephone number

European Emergency: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07 Acute Tox. (Oral) 4

H302 Harmful if swallowed



GHS08 Specific target organ toxicity, Repeated exposure 2 H373 Causes damage to organs
though prolonged or repeated exposure

(Contd. on page 2)

(Contd. on page 1)

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

Hazard pictograms:



GHS07

Signal word: Warning



GHS08

Signal word: Warning

Hazard-determining components of labelling:

Ethylene glycol

Hazard statements:

H302 Harmful if swallowed.

H373 Causes damage to organs through prolonged or repeated exposure

Precautionary statements:

P102	Keep out of reach of children.
P260	Do not breathe mist or vapours.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P312	If swallowed: Call a Poison Center/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture consisting of the following hazardous ingredients:

Ingredients according to Regulation (EU) 2020/878		
CAS: 107-21-1 EC number: 203-473-3 Reg.nr.:	Ethylene glycol	≥10-15%
	 Acute Tox. 4 (Oral), H302  Specific target organ Tox. Rep. Exposure 2, H373	
CAS: 56-81-5 EC number: 200-289-5 Reg.nr.:	Glycerol Not classified as hazardous.	≥1-10%

Composition Comments: Non-listed components are not hazardous or are below required disclosure limits.

The above products are compliant to REACH registrations' obligations (EC) No. 1272/2008 and OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air. Seek immediate medical advice.

After inhalation: May cause irritation of the upper respiratory passages with coughing and discomfort. May cause respiratory disorders (sensitization). Persons with sensitive airways may react to vapours. If breathing is difficult, transport to fresh air and seek medical treatment.

After skin contact: May cause skin irritation with discomfort or rash. Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. In case of skin irritation, consult a physician.

After eye contact: May cause eye corrosion with corneal or conjunctival ulceration. Avoid strong water jet-risk of cornea damage. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 15 minutes. Get medical attention if irritation persists.

After swallowing: Ingestion may cause methemoglobinemia (reduced oxygen carrying capacity of the blood) with headache, weakness or cyanosis (bluish discoloration of the skin) possibly progressing to dizziness, incoordination, shortness of breath, increased pulse rate and loss of consciousness. May cause throat irritation. Drink plenty of water and provide fresh air. Call for a doctor immediately. Never give anything by mouth to an unconscious person.

(Contd. on page 4)

(Contd. on page 3)

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards: May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray.

Foam

Sand or soil

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Additional information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

In case of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles, and respiratory device with filter type A.

(Contd. on page 5)

(Contd. on page 4)

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent the product from entering sewers, rivers or the aquatic environment.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust, silica gel).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:** No special precautions are necessary if used correctly.**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in cool, dry conditions in well-sealed receptacles.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Chemical Name (s)	ACGIH TLV	OSHA PEL	European Union
Ethylene Glycol CAS: 107-21-1	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m ³	(Vacated) Ceiling: 50 ppm (Vacated) Ceiling: 125 mg/m ³	TWA: 20 ppm TWA: 52 mg/m ³ STEL: 40 ppm STEL: 104 mg/m ³
Glycerol (mist) CAS: 56-81-5	-	TWA (total dust): 15 mg/m ³	-
Pigment (Titanium Dioxide)	TWA: 0.2 mg/m ³	TWA (total dust): 15 mg/m ³	TWA: 10 mg/m ³

(Contd. on page 6)

(Contd. on page 5)

Applicable Exposure Limits and Exposure Data:

PEL (OSHA): None Established
TLV (ACGIH): None Established
AEL * (Internal): 5 mg/m³, 8 Hr. TWA, total dust
LD50 (rat, oral): 3,900 mg/kg (supplier)
LC50 (rat, inhalation/4 hr.): No data available

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Respiratory protection:

In conditions of inadequate ventilation, use an appropriate respirator.

Hand protection:

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. The protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye/face protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

Environmental exposure controls

Do not release the product into the environment without control.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Blue
Odour	Odourless
Odour threshold	Not determined
Flammability	Not self-igniting.
Lower and upper explosion limit Lower Upper	Not determined Not determined
Flash point	> 95 °C (>203 °F)
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	7-8.7
Viscosity	
Kinematic viscosity	Not determined
Dynamic	Not determined
Solubility in water:	Miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density Density Relative density Vapour density	Not determined Not determined Not determined

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions

10.2 Chemical stability: Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided: Stable at environment temperature.

10.3 Possibility of hazardous reactions: Hazardous polymerization does not occur.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Nitrogen Oxides of Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Component	LD50 Oral	LD50 Derma	LC50 Inhalation
Ethylene Glycol	7712 mg/kg (Rat)	9530 mL/kg (Rabbit) 10600 mg/kg (Rat) > 3500 mg/kg (mice)	> 2.5 mg/L/6h (Rat)
Glycerol	12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 mg/L/4h (Rat, mist)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: No mutagenic components identified.

Carcinogenicity: This mixture has no evidence of carcinogenic properties.

Reproductive toxicity: No components toxic to reproduction.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Additional toxicological information:

Repeated dose toxicity Based on available data the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties: None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

(Contd. on page 9)

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ethylene Glycol	EC50: 6500 - 13000 mg/L, 96h (Pseudokrichneriella subcapitata)	LC50: 14 - 18 mL/L, 96h static (Oncorhynchus mykiss) LC50: = 27540 mg/L, 96h static (Lepomis macrochirus) LC50: = 40761 mg/L, 96h static (Oncorhynchus mykiss) LC50: 40000 - 60000 mg/L, 96h static (Pimephales promelas)	-	EC50: = 46300 mg/L, 48h (Daphnia magna)

		LC50: = 16000 mg/L, 96h static (Poecilia reticulata) LC50: = 41000 mg/L, 96h (Oncorhynchus mykiss)		
Glycerol	-	LC50: 51 - 57 mL/L, 96h static (Oncorhynchus mykiss)	-	-

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential:

Component	log Pow
Ethylene Glycol	-1.93
Glycerol	-1.76

12.4 Mobility in soil

The product is water soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties

12.7 Other adverse effects

Harmful to aquatic life with long lasting effects.

(Contd. on page 8)

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations



Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

European waste catalogue

HP14 Ecotoxic

(Contd. on page 10)

(Contd. on page 9)

Uncleaned packaging:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number or ID number**

ADR, IMDG, IATA: Void

14.2 UN proper shipping name

ADR, IMDG, IATA: Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

14.4 Packing group

ADR, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments: Not applicable.

UN "Model Regulation": Void

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Seveso III - Directive 2012/18/EU

Named dangerous substances - ANNEX I Does not contain named substances.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 11)

(Contd. on page 10)

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

USA Regulations: All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.

NFPA Hazard ID

1	Flammability
1	Health
1	Reactivity
0	Special hazard

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision: The revision 2.0 of this Safety Data Sheet document focuses on the updated content according to the European Regulation 2020/878 in regard to the compilation of SDS.

(Contd. on page 12)

(Contd. on page 11)

Relevant phrases

H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.
 H413 May cause long lasting harmful effects to aquatic life.
 EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Training hints

Suitable training on safety in handling, storing, and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (UK REACH)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity – Category 4
 Specific target organ Tox. Rep. Exposure 2: specific target organ toxicity, repeated exposure – Category 2

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

SAFETY DATA SHEET

Complying with Regulation No. 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No. 1272/2008/EC (CLP)

Revision date: 11/11/2022

Print date: 11/11/2022

Version: 2.0 (Replaces Version 1.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Texjet Inks - PRETREATMENT FOR DARKS (TIP201PD)

UFI: QA2K-52T7-U003-F4KS

1.2 Relevant identified uses of the substance or mixture and uses advised against

Water-based precoating solution for dark-garment printing with Direct to Garment Texjet® Printers.

1.3 Details of the supplier of the safety data sheet

POLYPRINT SA

7th KM SIMMACHIKI STR. - OREOKASTROU,

Postal Code 57013, PO BOX 130, THESSALONIKI, GREECE

Telephone: +30 (2310) 545 087, 949 366, 246 418

Email: info@polyprintdtg.com

1.4 Emergency telephone number

European Emergency: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07

Skin Sens. 1

H317 May cause an allergic skin reaction.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

(Contd. on page 2)

(Contd. on page 1)

Hazard pictograms:



GHS07

Signal word: Warning

Hazard-determining components of labelling:

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Hazard statements:

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102	Keep out of reach of children.
P261	Avoid breathing gas.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture consisting of the following hazardous ingredients:

(Contd. on page 3)

Ingredients according to Regulation (EU) 2020/878		
CAS: 10035-04-8 EC number: 600-075-5 Reg.nr.: 01-2119494219-28-XXXX	calcium chloride (CaCl ₂), dihydrate	≥2.5-<10%
	 Eye Irrit. 2, H319	
CAS: 55965-84-9 Index number: 613-167-00-5 Reg.nr.: 01-2120764691-48-XXXX	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	≥0.0025-<0.025%
	 Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330;  Skin Corr. 1C, H314; Eye Dam. 1, H318;  Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100);  Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air. Seek immediate medical advice.

After inhalation: In case of unconsciousness place patient stably inside position for transportation. Seek medical treatment in case of complaints. If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet. Notify physician.

After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Wash the skin immediately with soap and water. In case of skin irritation, consult a physician.

(Contd. on page 4)

(Contd. on page 3)

After eye contact: Avoid strong water jet-risk of cornea damage, consult a doctor. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 15 minutes. Get medical attention if irritation occurs.

After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately. Seek immediate medical advice. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards: May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray. Use fire extinguishing methods suitable to surrounding conditions. Foam. Sand or soil.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Wear eye protection.

Additional information: Collect contaminated firefighting water separately. It must not enter the sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

(Contd. on page 5)

(Contd. on page 4)

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent the product from entering sewers, rivers or the aquatic environment.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling: No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in cool, dry conditions in well-sealed receptacles.

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

Ingredients with limit values that require monitoring at the workplace:

CAS: 3251-23-8 copper dinitrate

WEL (Great Britain) Short-term value: 2 mg/m³
 Long-term value: 1 mg/m³
 dusts and mists, as Cu

(Contd. on page 6)

(Contd. on page 5)

DNELs

(CAS: 10035-04-8) Calcium chloride dihydrate

Workers

Inhalation, Acute, local effects, 13 mg/m³Inhalation, Long-term, local effects, 6,6 mg/m³

Consumers

Inhalation, Acute, local effects, 6,6 mg/m³Inhalation, Long-term, local effects, 3,3 mg/m³**PNECs**

(CAS: 55965-84-9) reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H - isothiazol-3-one

[EC no. 220-239-6] (3:1)

Fresh water: 3,39 mg/l

Intermittent releases (fresh water): 3,39 mg/l

Marine water: 3,39 mg/l

Intermittent releases (marine water): 3,39 mg/l

STP: 230 mg/l

Sediment (fresh water): 27 mg/kg sediment dw

Sediment (marine water): 27 mg/kg sediment dw

Soil: 10 mg/kg soil dw

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Respiratory protection:

In conditions of inadequate ventilation, use an appropriate respirator.

Hand protection:

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. The protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

(Contd. on page 7)

(Contd. on page 6)

Eye/face protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

Environmental exposure controls

Do not release the product into the environment without control.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Milky
Odour	Odourless
Odour threshold	Not determined
Flammability	Not applicable
Lower and upper explosion limit	
Lower	Not determined
Upper	Not determined
Flash point	> 93.3 °C
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH at 20 °C	5.9
Viscosity	
Kinematic viscosity	Not determined
Dynamic	Not determined
Solubility water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density	
Density	Not determined
Relative density	Not determined
Vapour density	Not determined

(Contd. on page 8)

(Contd. on page 7)

9.2 Other information

Appearance	
Form	Liquid
Auto-ignition temperature	Product is not self-igniting.
Explosive properties	Product does not present an explosion hazard.
Cloud point / clarification point:	Not determined
Oxidising properties	Not oxidising
Evaporation rate	Not determined

Information regarding physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity:** Stable under normal conditions**10.2 Chemical stability:** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided:** Stable at environment temperature.**10.3 Possibility of hazardous reactions:** No dangerous reactions known.**10.4 Conditions to avoid:** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 10035-04-8 calcium chloride (CaCl₂), dihydrate

Oral	LD50	2,301 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Oral	LD50	457 mg/kg (rat)
Dermal	LD50	660 mg/kg (rat)
Inhalative	LD50	1.23 mg/l (rat)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity:

(CAS :10035-04-8) CALCIUM CHLORIDE(-1) HYDRATE

Reproduction Rabbit, female, oral

General toxicity to mother NOAEL: > 189 mg/kg Teratogenesis NOAEL: >169 mg/kg

Fertility

Rat, female, oral

General toxicity to mother NOAEL: >176 mg/kg Teratogenesis NOAEL:> 176 mg/kg

Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Additional toxicological information:

Repeated dose toxicity Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties: None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity:

CAS: 10035-04-8 calcium chloride (CaCl₂), dihydrate

EC50 (48h)	2,400 mg/l (daphnia magna)
LC50 (96h)	4,630 mg/l (Pimephales promelas) 9,500-11,300 mg/l (Lepomis macrochirus (Bluegill))
CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	
NOEC	1.16-4.95 mg/l (alf) 0.49 mg/l (alm) 0.0036-0.1 mg/l (freshwater invertebrates) 0.02-0.098 mg/l (freshwater fish)
EC50	10.7-53.5 mg/l (alf) 5.2 mg/l (alm) 0.1-0.16 mg/l (freshwater invertebrates) 0.09-0.28 mg/l (freshwater fish) 0.007-0.33 mg/l (inm) 0.3-0.48 mg/l (mar)

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties

12.7 Other adverse effects

Remark: Harmful to fish

Additional ecological information:

General notes: The product contains materials that are harmful to the environment. Harmful to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation



Dispose according to National Regulations



Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

(Contd. on page 11)

(Contd. on page 10)

European waste catalogue
HP14 Ecotoxic

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR, IMDG, IATA: Void

14.2 UN proper shipping name

ADR, IMDG, IATA: Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

14.4 Packing group

ADR, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments: Not applicable.

UN "Model Regulation": Void

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

(Contd. on page 12)

(Contd. on page 11)

Seveso III - Directive 2012/18/EU

Named dangerous substances - ANNEX I Does not contain named substances.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision: The revision 2.0 of this Safety Data Sheet document focuses on the updated content according to the European Regulation 2020/878 in regard to the compilation of SDS.

Relevant phrases

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled

H335 May cause respiratory irritation.

H336 May causes drowsiness or dizziness

H412 Harmful to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

(Contd. on page 13)

(Contd on page 12)

Training hints

Suitable training on safety in handling, storing, and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (UK REACH)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 2: Acute toxicity – Category 2
 Skin Corr. 1C: Skin corrosion/irritation – Category 1C
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1: Skin sensitisation – Category 1
 Skin Sens. 1A: Skin sensitisation – Category 1A
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

SAFETY DATA SHEET

Complying with Regulation No. 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No. 1272/2008/EC (CLP)

Revision date: 11/11/2022

Print date: 11/11/2022

Version: 2.0 (Replaces Version 1.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Texjet Inks - PRETREATMENT FOR LIGHTS (TIP202PL)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Water-based precoating solution for light-garment printing with Direct to Garment Texjet® Printers.

1.3 Details of the supplier of the safety data sheet

POLYPRINT SA

7th KM SIMMACHIKI STR. - OREOKASTROU,

Postal Code 57013, PO BOX 130, THESSALONIKI, GREECE

Telephone: +30 (2310) 545 087, 949 366, 246 418

Email: info@polyprintdtg.com

1.4 Emergency telephone number

European Emergency: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS05

Serious Eye Damage/Eye irritation. 1

H318 Causes serious eye damage.



GHS07

Acute Tox. 4 (Oral)

H302 Harmful if swallowed.

Serious Eye Damage/Eye irritation. 2

H319 Causes serious eye irritation.

Specific Target Organ Toxicity, Single Exposure; Respiratory Tract Irritation. 3

H335 May cause respiratory irritation.

(Contd. on page 2)

(Contd. on page 1)

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

Hazard pictograms:



GHS07

Signal word: Warning



GHS05

Signal word: Danger

Hazard-determining components of labelling:

Triethylene glycol monobutyl ether, Inorganic Nitrate

Hazard statements:

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection

P301 + P312 IF SWALLOWED: call a poison center or doctor/physician if you feel unwell

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center/doctor.

P330 Rinse mouth.

P337 + P313 If eye irritation persists: Get medical advice/attention

P264 Wash hands thoroughly after handling.

P102 Keep out of reach of children.

P261 Avoid breathing gas.

P270 Do not eat, drink, or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P501 Dispose contents to country's regulation.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture consisting of the following hazardous ingredients:

Ingredients according to Regulation (EU) 2020/878		
CAS: 143-22-6 EC number: 203-905-0 Reg.nr.:	Triethylene Glycol Monobutyl Ether	≥1-5%
	⚠ Eye Irrit. 1, H318	
CAS: 13477-34-4 EC number: 233-332-1 Reg.nr.:	Inorganic Nitrate	≥5-15%
	⚠ Acute Tox. 4 Oral (H302), ⚠ Serious Eye Damage/Eye Irritation. 2 (H319), ⚠ Specific Target Organ Toxicity, Single Exposure; Respiratory Tract Irritation. 3 (H335)	

Composition Comments: Non-listed components are not hazardous or are below required disclosure limits.

The above products are compliant to REACH registrations' obligations (EC) No. 1272/2008 and OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Take affected persons out into the fresh air. Seek immediate medical advice.

After inhalation: May cause irritation of the upper respiratory passages with coughing and discomfort. May cause respiratory disorders (sensitization). Persons with sensitive airways may react to vapors. If inhaled, move to a place with fresh air and call-in physician.

After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Wash the skin immediately with soap and water. In case of skin irritation, consult a physician.

After eye contact: May cause eye corrosion with corneal or conjunctival ulceration. In case of eye contact, rinse out with plenty of water and remove contact lenses.

(Contd. on page 4)

(Contd. on page 3)

After swallowing: Ingestion may cause methemoglobinemia (reduced oxygen carrying capacity of the blood) with headache, weakness, or cyanosis (bluish discoloration of the skin) possibly progressing to dizziness, incoordination, shortness of breath, increased pulse rate and loss of consciousness. May cause throat irritation. If swallowed, immediately make the victim drink water (two glasses at most and consult a physician).

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards: Causes serious eye damage/irritation, tract/respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray.

Use fire extinguishing methods suitable to surrounding conditions.

Foam

Sand or soil

5.2 Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Protective equipment:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Wear eye protection.

Additional information

Collect contaminated firefighting water separately. It must not enter the sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel.

Avoid contact with dripping or leaking material

(Contd. on page 5)

(Contd. on page 4)

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles, and respiratory device with filter type A.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent the product from entering sewers, rivers, or the aquatic environment.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-absorbing material (sand, diatomite, silica gel, etc.).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling: No special precautions are necessary if used correctly.

Information about fire – and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in cool, dry conditions in well-sealed receptacles.

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

Ingredients with limit values that require monitoring at the workplace:

Chemical Name (s)	ACGIH TLV	OSHA PEL	European Union
Triethylene Glycol Monobutyl Ether	N/A	N/A	N/A
Inorganic Nitrate	TWA (inhalable particles): 10 mg/m3	TWA (total dust): 15 mg/m3	N/A

(Contd. on page 6)

(Contd. on page 5)

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Respiratory protection:



In conditions of inadequate ventilation, use an appropriate respirator.

Hand protection:



Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. The protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye/face protection:



Goggles recommended during refilling

Body protection:



Protective work clothing

Environmental exposure controls

Do not release the product into the environment without control.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Milky White
Odour	Odourless
Odour threshold	Not determined
Flammability	Not applicable
Lower and upper explosion limit Lower Upper	Not determined Not determined
Flash point	> 93.3 °C
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH at 20 °C	5.9
Viscosity Kinematic viscosity	Not determined
Dynamic	Not determined
Solubility water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density Density Relative density Vapour density	Not determined Not determined Not determined

9.2 Other information

Appearance	
Form	Liquid
Auto-ignition temperature	Product is not self-igniting.
Explosive properties	Product does not present an explosion hazard.
Cloud point / clarification point:	Not determined
Oxidising properties	Not oxidising
Evaporation rate	Not determined

(Contd. on page 8)

(Contd. on page 7)

Information regarding physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity:** Stable under normal conditions**10.2 Chemical stability:** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided:** Stable at environment temperature.**10.3 Possibility of hazardous reactions:** No dangerous reactions known.**10.4 Conditions to avoid:** Contact with incompatible materials.**10.5 Incompatible materials:** Strong oxidizing agents.**10.6 Hazardous decomposition products:** Nitrogen Oxides of Carbon.**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity:** Based on available data, the classification criteria are not met.

Component	LD50 Oral	LD50 Derma	LC50 Inhalation
Triethylene Glycol Monobutyl Ether	5300 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	N/A
Inorganic Nitrate	3900 mg/kg (Rat)	N/A	N/A

Skin corrosion/irritation: May cause skin irritation.**Serious eye damage/irritation:** May irritate eyes.**Respiratory or skin sensitisation:** Not a skin sensitizer.

(Contd. on page 9)

(Contd. on page 8)

Germ cell mutagenicity: No mutagenic components identified.**Carcinogenicity:** This mixture has no evidence of carcinogenic properties.**Reproductive toxicity:** No components toxic to reproduction.**STOT-single exposure:** Based on available data, the classification criteria are not met.**STOT-repeated exposure:** Based on available data, the classification criteria are not met.**Aspiration hazard:** Based on available data, the classification criteria are not met.**Additional toxicological information:****Repeated dose toxicity** Based on available data the classification criteria are not met.**11.2 Information on other hazards**

Endocrine disrupting properties: None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Aquatic toxicity:**

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Triethylene Glycol Monobutyl Ether	EC50: > 500 mg/L, 72h (Desmodesmus subspicatus)	LC50: 2200 – 4600 mg/L, 96h static (Leuciscus idus) LC50: = 2400 mg/L, 96h (Pimephales promelas) LC50: = 2400 mg/L, 96h static (Pimephales promelas)	N/A	EC50: > 500 mg/L, 48h (Daphnia magna)
Inorganic Nitrate	N/A	LC50: 2400 mg/L, 96h static (Lepomis macrochirus)	N/A	N/A

12.2 Persistence and degradability: No further relevant information available.**12.3 Bioaccumulative potential:**

Component	log Pow
Triethylene Glycol Monobutyl Ether	0.51

12.4 Mobility in soil No further relevant information available.**12.5** Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties

12.7 Other adverse effects**Remark:** Harmful to aquatic life with long lasting effects.**Additional ecological information:****General notes:** The product contains materials that are harmful to the environment. Harmful to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation



Dispose according to National Regulations



Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

European waste catalogue

HP14 Ecotoxic

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR, IMDG, IATA: Void

14.2 UN proper shipping name

ADR, IMDG, IATA: Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

14.4 Packing group

ADR, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments: Not applicable.

UN "Model Regulation": Void

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Seveso III - Directive 2012/18/EU

Named dangerous substances - ANNEX I Does not contain named substances.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

USA Regulations: All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.

NFPA Hazard ID

1	Flammability
1	Health
1	Reactivity
0	Special hazard

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision: The revision 2.0 of this Safety Data Sheet document focuses on the updated content according to the European Regulation 2020/878 in regard to the compilation of SDS.

Relevant phrases

H302 - Harmful if swallowed
 H312 – Harmful in contact with skin
 H314 – Causes severe skin burns and eye damage.
 H315 – Causes skin irritation
 H318 - Causes serious eye damage
 H319 - Causes serious eye irritation
 H290 – May be corrosive to metals.
 H332 – Harmful if inhaled
 H335 - May cause respiratory irritation
 H336 – May cause drowsiness or dizziness
 H412 - Harmful to aquatic life with long lasting effects.
 H413 - May cause long lasting harmful effects to aquatic life.
 EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

Training hints

Suitable training on safety in handling, storing, and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (UK REACH)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

SAFETY DATA SHEET

Complying with Regulation No. 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No. 1272/2008/EC (CLP)

Revision date: 20/12/2022

Print date: 20/12/2022

Version: 2.0 (Replaces Version 1.0)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Texjet Inks - CLEANER (TIP210CL)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Cleaning solution for maintenance of Direct to Garment Texjet® Printers.

1.3 Details of the supplier of the safety data sheet

POLYPRINT SA

7th KM SIMMACHIKI STR. - OREOKASTROU,

Postal Code 57013, PO BOX 130, THESSALONIKI, GREECE

Telephone: +30 (2310) 545 087, 949 366, 246 418

Email: info@polyprintdtg.com

1.4 Emergency telephone number

European Emergency: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07 Acute Tox. (Oral) 4

H302 Harmful if swallowed



GHS08 Specific target organ toxicity, Repeated exposure 2 H373 Causes damage to organs
though prolonged or repeated exposure

(Contd. on page 2)

(Contd. on page 1)

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

Hazard pictograms:



GHS07

Signal word: Warning



GHS08

Signal word: Warning

Hazard-determining components of labelling:

Ethylene glycol

Hazard statements:

H302 Harmful if swallowed.

H373 Causes damage to organs through prolonged or repeated exposure

Precautionary statements:

P102	Keep out of reach of children.
P260	Do not breathe mist or vapours.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P312	If swallowed: Call a Poison Center/doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Description: Mixture consisting of the following hazardous ingredients:

Ingredients according to Regulation (EU) 2020/878		
CAS: 107-21-1 EC number: 203-473-3 Index-No: 603-027-00-1	Ethylene glycol	≥10-20%
	 Acute Tox. 4 (Oral), H302  Specific target organ Tox. Rep. Exposure 2, H373	
CAS: 57-55-6 EC number: 200-338-0 Reg.nr.:	1,2-propylene glycol Not classified as hazardous.	≥5-15%

Composition Comments: Non-listed components are not hazardous or are below required disclosure limits.

The above products are compliant to REACH registrations' obligations (EC) No. 1272/2008 and OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Eye contact may cause eye irritation with discomfort, tearing or blurring of vision. Repeated skin exposure to large quantities may result in absorption of harmful amounts. Wash thoroughly after handling

After inhalation: May cause irritation of the upper respiratory passages with coughing and discomfort. May cause respiratory disorders (sensitization). Persons with sensitive airways may react to vapours. If breathing is difficult, transport to fresh air and seek medical treatment.

After skin contact: May cause skin irritation with discomfort or rash. Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. In case of skin irritation, consult a physician.

After eye contact: May cause eye corrosion with corneal or conjunctival ulceration. Avoid strong water jet-risk of cornea damage. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 15 minutes. Get medical attention if irritation persists.

(Contd. on page 4)

(Contd. on page 3)

After swallowing: Ingestion may cause methemoglobinemia (reduced oxygen carrying capacity of the blood) with headache, weakness, or cyanosis (bluish discoloration of the skin) possibly progressing to dizziness, incoordination, shortness of breath, increased pulse rate and loss of consciousness. May cause throat irritation. Drink plenty of water and provide fresh air. Call for a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Hazards: May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder, or water spray.

Foam

Sand or soil

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Additional information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

In case of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel.

Avoid contact with dripping or leaking material

(Contd. on page 5)

(Contd. on page 4)

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles, and respiratory device with filter type A.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent the product from entering sewers, rivers, or the aquatic environment.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust, silica gel).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling: No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Store in cool, dry conditions in well-sealed receptacles.

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

Ingredients with limit values that require monitoring at the workplace:

Chemical Name (s)	ACGIH TLV	OSHA PEL	European Union
Ethylene Glycol	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m ³	(Vacated) Ceiling: 50 ppm (Vacated) Ceiling: 125 mg/m ³	TWA: 20 ppm TWA: 52 mg/m ³ STEL: 40 ppm STEL: 104 mg/m ³

(Contd. on page 6)

(Contd. on page 5)

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Respiratory protection:



In conditions of inadequate ventilation, use an appropriate respirator.

Hand protection:



Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation. The protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye/face protection:



Goggles recommended during refilling

Body protection:



Protective work clothing

Environmental exposure controls

Do not release the product into the environment without control.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Clear
Odour	Odourless
Odour threshold	Not determined
Flammability	Not self-igniting.
Lower and upper explosion limit Lower Upper	Not determined Not determined
Flash point	> 93.3 °C (>200 °F)
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	8-8.5
Viscosity Kinematic viscosity	Not determined
Dynamic	Not determined
Solubility in water:	Miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density Density Relative density Vapour density	Not determined Not determined Not determined

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions

10.2 Chemical stability: Material is stable under normal conditions.

Thermal decomposition / conditions to be avoided: Stable at environment temperature.

10.3 Possibility of hazardous reactions: Hazardous polymerization does not occur.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Nitrogen Oxides of Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Component	LD50 Oral	LD50 Derma	LC50 Inhalation
Ethylene Glycol	7712 mg/kg (Rat)	9530 mL/kg (Rabbit) 10600 mg/kg (Rat) > 3500 mg/kg (mice)	> 2.5 mg/L/6h (Rat)
1,2-Propylene Glycol	20 g/kg (Rat)	> 20800 mg/kg (Rabbit)	Not listed

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: No mutagenic components identified.

Carcinogenicity: This mixture has no evidence of carcinogenic properties.

Reproductive toxicity: No components toxic to reproduction.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Additional toxicological information:

Repeated dose toxicity Based on available data the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties: None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

(Contd. on page 9)

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ethylene Glycol	EC50: 6500 - 13000 mg/L, 96h (Pseudokrichneriella subcapitata)	LC50: 14 - 18 mL/L, 96h static (Oncorhynchus mykiss) LC50: = 27540 mg/L, 96h static (Lepomis macrochirus) LC50: = 40761 mg/L, 96h static (Oncorhynchus mykiss) LC50: 40000 - 60000 mg/L, 96h static (Pimephales promelas)	-	EC50: = 46300 mg/L, 48h (Daphnia magna)

		LC50: = 16000 mg/L, 96h static (Poecilia reticulata) LC50: = 41000 mg/L, 96h (Oncorhynchus mykiss)		
1,2-Propylene Glycol	EC50: 19000 mg/L, 96h (Pseudokrichneriella subcapitata)	LC50: 41 - 47 mL/L, 96h static (Oncorhynchus mykiss) LC50: 51400 mg/L, 96h static (Pimephales promelas) LC50: 51600 mg/L, 96h static (Oncorhynchus mykiss) LC50: 710 mg/L, 96h (Pimephales promelas)	710 mg/L EC50 Photobacterium phosphoreum 30 min	EC50: > 1000 mg/L, 48h static (Daphnia magna)

(Contd. on page 8)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential:

Component	log Pow
Ethylene Glycol	-1.93
1,2-propylene Glycol	-0.9

12.4 Mobility in soil

The product is water soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties

12.7 Other adverse effects

Harmful to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation



Dispose according to National Regulations



Must not be disposed together with household garbage. Do not allow product to reach sewage system. Contact manufacturer for recycling information.

European waste catalogue

HP14 Ecotoxic

Uncleaned packaging:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR, IMDG, IATA: Void

14.2 UN proper shipping name

ADR, IMDG, IATA: Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

14.4 Packing group

ADR, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments: Not applicable.

UN "Model Regulation": Void

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

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Named dangerous substances - ANNEX I Does not contain named substances.

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DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

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Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

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Annex II - REPORTABLE EXPLOSIVES PRECURSORS

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(Contd. on page 12)

(Contd. on page 11)

NFPA Hazard ID

1	Flammability
1	Health
1	Reactivity
0	Special hazard

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Relevant phrases

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Training hints

Suitable training on safety in handling, storing, and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

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IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

(Contd. on page 13)

(Contd. on page 12)

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Specific target organ Tox. Rep. Exposure 2: specific target organ toxicity, repeated exposure – Category 2

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