



# **MATERIAL SAFETY DATA SHEET**

## **( MSDS )**

<b>REPORT NUMBER:</b>	<b>YPRZM202501061</b>
<b>REPORT NAME:</b>	<b>HEMA&amp;TPO FREE CLEAR TOP GEL</b>
<b>PREPARED FOR:</b>	<b>B-PRO SYSTEMS</b>
<b>ENTERPRISE ADDRESS:</b>	<b>TRIQ IL-BACIR IL-GDID PAOLA PLA 1501, MALTA</b>
<b>DOCUMENT DATE:</b>	<b>July 23,2025</b>

## Part 1: Chemicals and corporate identification

**1.1 Name of the chemical is:** HEMA, DI-HEMA &TPO FREE CLEAR TOP GEL

**1.2 Enterprise name:** B-PRO Systems

**1.3 Address:** Triq il-Bacir il-Gdid, PAOLA PLA 1501 MALTA

**1.4 Enterprise emergency contact person:/**

**1.5 Enterprise emergency telephone: /**

**1.6 Address mail:/**

**1.7 Preparation date:** July 23,2025

**1.8 Recommended uses and restricted uses of the products Recommended use:** Use for consumer goods

**1.9 Restricted use:** unlimited

## Part 2: Overview of the danger

**2.1 GHS hazard category:** classified according to (EC) No.1272 / 2008 [CLP]

Skin corrosion / Allergy category 2

**2.2 GHS tag elements, including precautionary instructions**

**figurative graph**



**Signal word**

**Warning!**

**2.3 Hazard description:** H315 causes skin irritation H302 swallowing harmful H318 causes serious injury to the eyes

**2.4 Health hazards:** No hazard

**2.5 Environmental impact:** No hazard

**2.6 Other effects:** No hazard

**2.7 Prevention instructions**

**Preventive measures:**

P264 Clean the face and hands thoroughly after operation .

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

P280 wear protective gloves / protective clothing / protective eye mask / protective mask.

**Accident Response:**

P310 Please call the emergency center or your doctor immediately.

P330 mouth gargle.

**P301 + P312 If swallowed by mistake:** If you feel uncomfortable, call the poisoning emergency center / doctor immediately.

**P305 + P351 + P338 If entering the eye:** rinse carefully with water for a few minutes. If you have contact lenses, remove the contact lenses, and this is easy to do- -rinse.

The P362 takes off the contaminated clothing.

**P302 + P352 such as skin contamination:** wash adequately with water.

**P332 + P313 if skin irritation occurs:** If skin irritation occurs: please consult a doctor.

**Safe storage:** Not applicable

**Waste disposal:** not applicable

**2.8 Other Hazards**

Results of PBT and vPvB assessment

Results evaluation for PBT and vPvB (Results of PBT and vPvB assessment)

No information available

Results of the endocrine disruptor property assessment

No information available

(Other)

No information available

## Part 3: Composition / composition information

### 3.1 Information on the mixture composition

Chemical name	CAS No.	EC No.	Percentage concentration (%)	CLP Classification
Acrylates Copolymer	25035-69-2	607-492-1	74.5-83.5	Warning! According to the classification provided by companies to ECHA in CLP notifications this substance causes serious eye irritation, causes skin irritation and may cause respiratory irritation.
Pentaerythritol Tetra(3-mercaptopropionate)	7575-23-7	231-472-8	8-12	Warning! According to the classification provided by companies to ECHA in REACH registrations this substance is very toxic to aquatic life, is very toxic to aquatic life with long lasting effects, is harmful if swallowed and may cause an allergic skin reaction.
2-Hydroxypropyl methacrylate	27813-02-1	248-666-3	5-10	Warning! According to the classification provided by companies to ECHA in REACH registrations this substance causes serious eye irritation and may cause an allergic skin reaction.
Methanone, [bis(4-methylphenyl)phosphinyl] (2,4,6-trimethylphenyl)-	270586-78-2	884-585-5	~2.5	According to the ECHA data No hazards have been classified.
1-Hydroxycyclohexyl Phenyl Ketone	947-19-3	213-426-9	~1	Warning! According to the classification provided by companies to ECHA in REACH registrations this substance is harmful to aquatic life with long lasting effects.

## Part 4: First-aid measures

### 4.1 Description of the necessary first-aid measures

Skin contact: no obvious symptoms. If skin irritation occurs, clean the skin with water. If unwell, please seek medical advice immediately.

**Eye contact:**

Lift the eyelids immediately and rinse with running water or saline for at least 15 minutes. If still stimulating, seek medical attention immediately.

**Feed:** rinse the mouth with water, then drink a lot of water, vomiting, and seek medical advice.

**Inhalation:**

quickly leave the site to the fresh air, keep the airway unobstructed, such as breathing difficulties, give oxygen, if breathing stop, immediately take artificial respiration and seek medical treatment.

**4.2 Instructions and instructions for timely medical treatment and special treatment required**

Ensure that healthcare workers understand the hazardous characteristics of the product and take self-protective measures to protect and prevent themselves Stop pollution transmission.

**4.3 Instructions for emergency medical treatment and special treatment**

Based on symptom treatment, attention to symptoms may be delayed.

**4.4 The most important symptoms and effects, both acute and delayed**

Limited evidence suggests that repeated or prolonged occupational exposure may have health effects involving the cumulative nature of organs or biochemical systems.

## Part 5: Fire protection measures

**5.1 Fire-extinguishing medium**

**Fire extinguishing agent:** use the fire extinguishing medium suitable for the surrounding environment.

**Fire extinguishing method:** fire personnel must wear gas masks and put out the fire in the upwind beyond.

the safe distance

**Inappropriate extinguishing agent:** No restrictions on extinguishing agent for this substance / mixture.

**5.2 Hazardous characteristics:** harmful flammable gases or vapors may be produced during fire.

**5.3 Fire extinguishing precautions and protective measures:** in case of fire, wear a self-contained breathing apparatus. Fire fighters shall wear self-contained breathing apparatus and full fire suits; in any way, prevent leakage into sewers or channel; use water as a good adjacent area for spray control of fire and cooling.

## Part 6: Emergency treatment of leakage

### 6.1 Protective measures, protective equipment and emergency handling procedures for operators:

Quarantine the leakage pollution area and restrict access. Avoid of dust inhalation is recommended for non-emergency personnel. Evacuate the dangerous areas and follow the emergency procedures,

Seek expert advice. For personal protection, personnel are evacuated to safe areas. Avoid contact with the skin, eyes, and clothing. Make sure the foot Of ventilation, especially in the enclosed areas. Do not inhale dust / smoke / gas / fog / steam / spray.

### 6.2 Environmental protection measures:

shelter the leakage to avoid environmental pollution and prevent the leakage from entering the sewer, surface water and groundwater.

### 6.3 Reception and removal methods of leaked chemicals and disposal materials used:

**Small leakage:** rinse with a lot of water, wash water dilute and later discharged into the wastewater system.

**Massive leakage:** embankment or pit shelter; pump to special collector and transport to waste disposal site for disposal.

Collect and transfer to suitable labeled containers to avoid dust falling.

### 6.4 Reference to other parts

See Part 8 for personal protective equipment recommendations.

See Part 13 for discard processing.

## Part 7: Operation, disposal and storage

**7.1 Notes for safe operation:** personal protection should be paid attention to in the packing and handling operations. Handle handling to prevent damage to packaging and containers, and avoid contact with skin, eyes and clothing.

**7.2 Safe storage conditions, including any incompatibility:** a ventilated warehouse. Stay away from the fire and heat sources. Prevent direct sunlight. Packaging must be sealed and should be stored separately from oxidizers, acids, and alkalis in a cool, well-ventilated area. They must not be stored together.

Equipped with the corresponding variety and quantity of fire-fighting equipment.

The storage area should be prepared with suitable materials to protect against leaks.

**7.3 Specific uses:**

No specific uses other than those mentioned in Part 1.2 are foreseen.

## Part 8: Contact control and individual protection

### 8.1 Control parameters

**Hazard composition and occupational exposure limits:** No relevant regulations.

**Biological limit value:** No relevant provisions.

**Predicted no-effect concentration:** No relevant regulation.

**Derived no-effect level:** No relevant regulations.

**Engineering control:** Maintain adequate ventilation, especially in enclosed areas; ensure that eye wash and shower facilities are available near the workplace; activate explosion-proof electrical equipment, ventilation, lighting, and other facilities; set up emergency evacuation routes and necessary drainage areas.

**Personal protective equipment:**

**Respiratory system protection:** Appropriate personal respiratory protection must be worn.

**Eye protection:** The appropriate anticorrosion goggles must be worn.

**Skin and body protection:** Wear rubber work clothes that are resistant to acids and alkalis.

**Hand protection:** Put on rubber gloves that are resistant to acids and alkalis.

**8.2 Control of environmental exposure:**

No smoking, eating, or drinking at the workplace. After completing work, take a shower and change clothes. Maintain good hygiene habits.

Part 9: Physical and chemical characteristics

Appearance and traits	No data
pigment	No data
smell	No data
Melting point / solidification point	No data
High / low combustion or explosive limits for primary boiling point and boiling range flammability (solid, gas)	No data
flash(ing) point; point of flammability	No data
autogenous ignition temperature	No data
decomposition temperature	No data
pH value	No data
viscosity	No data
water-solubility	No data
N-octanol / water distribution coefficient	No data
vapour pressure	No data
density	No data
vapour density	No data



Particle characteristics	No data
Explosion characteristics	No data
oxidability	No data

## Part 10: Stability and Reactivity

**10.1 Chemical stability:** It is stable under the correct use and storage conditions.

**10.2 Hazardous reaction:** Decomposition or other chemical reactions may occur in contact with incompatible substances.

**10.3 Conditions to be avoided:** Incompatible substances, heat, flames and sparks.

**10.4 Prohibited:** no data available

**10.5 Hazardous decomposition products:** Under normal storage and use conditions, it will not produce dangerous decomposition products.

## Part 11: Toxicology information

### 11.1 Acute toxicity:

According to the available data, it does not meet the classification;

criteria: Skin corrosion/stimulation: skin corrosion/allergy category 2;

Eye irritation: according to the available data, it does not meet the classification criteria.

**Subacute and chronic toxicity:** Based on current data, there is no available information.

**Sensitization:** According to the available data, the classification criteria are not met.

**Sudden occurrence:** According to the existing data, it does not meet the classification standards.

**Teratogenicity:** According to the existing data, it does not meet the classification criteria.

**Carcinogenicity:** According to the existing data, it does not meet the classification criteria.

**Inhalation hazard:** According to the available data, the classification criteria are not met.

## Part12: Ecological information

**12.1 Ecotoxicity:** No data is available

**12.2 Persistence and degradability:** No data is available

**12.3 Potential bioaccumulation:** No data is available

**12.4 Migrbility in the soil:** No data

**12.5 Evaluation of results of PBT and vPvB:** Since chemical safety assessment is not required / not performed, PBTIPVB assessment is not available.

**12.6 Endocrine interference characteristics:** No data

**12.7 Other environmental harmful effects:** No data

## Part 13: Waste disposal

**13.1 Reference to relevant national and local regulations before waste disposal.**

**13.2 Product processing recommendations:** Before disposal, refer to relevant national and local regulations. Products must not be directly discharged into the sewer for disposal, as high concentrations can cause harmful pollution to aquatic life.

**13.3 Contaminated packaging:** Empty containers that have not been disposed of or discarded shall not be reused, and relevant national and local laws and regulations shall be observed.

**13.4 Waste precautions:** This material may have an impact on the environment and human health. As an unclassified chemical substance, it should be recycled separately for resource recovery to prevent environmental pollution.

## Part 14: Transportation information

**14.1 United Nations Dangerous Goods Number:** Not applicable

**14.2 United Nations transport name:** Not applicable

**14.3 Classification:** Not applicable

**14.4 Packaging category:** Not applicable

**14.5 Packaging method:** No data is available

**14.6 Special prevention:** Pay attention to prevent leakage. Prevent high temperature and sun exposure, handling should be light light. No prohibited with oxidant, food And food additives for mixed transport.

**14.7 Prohibited:** no data available

**14.8 Transportation precautions:** Railway transportation should strictly follow the Dangerous Goods Loading Table in the 'Ministry of Railways Rules for the Transport of Dangerous Goods'. Packaging must be intact, and loading must be safe. During transportation, it is essential to ensure that containers do not leak, collapse, fall, or get damaged. It is strictly prohibited to transport together with oxidizers, acids, alkalis, or food chemicals. Transportation should avoid exposure to rain and high temperatures. The transport vehicles should be equipped with corresponding types and quantities of firefighting equipment and leakage emergency response equipment. The exhaust pipes of vehicles carrying this product should have fireproof devices. Temporary stops should be away from sources of fire and heat. Transport vehicles and ships must be thoroughly cleaned and disinfected; otherwise, other items shall not be loaded. Road transportation should follow the designated routes and must not stop in residential areas or densely populated regions.

## Part 15: Regulatory information

**15.1 The following laws, regulations and standards shall specify the safe use, storage, transportation, loading and unloading, classification and marking of chemicals:**

- 1) Production Safety Law of the European Union
- 2) The International List of Chemicals
- 3) List of EU-regulated substances
- 4) Regulation (EC) on the registration, assessment, authorization and restriction of chemicals No 1907 / 2006 (REACH)

**15.2 The following regulations are cited and considered with respect to transportation:**

- 1) Model Proposal for Transport of Dangerous Goods (TDG)
- 2) International Civil Aviation Association, Dangerous Goods Rules (IATA-DGR)
- 3) International Marine Dangerous Goods Rules (IMDG-CODE)

- 4) International Rules for Dangerous Goods (RID)
- 5) International Agreement on Road Transport of Dangerous Goods (ADR)
- 6) International Agreement on Inland River Transport of Dangerous Goods (ADN)

## Part 16: Other information

In our opinion, the above information is accurate, which is the best information we can provide right now. However, we do not make any express or implied warranty about the performance of the goods, nor do we take any responsibility for the consequences of the use of the information. Users should investigate and determine whether the information applies for their specific purposes. Although a reasonable warning is provided in this document, it is just for your reference, consideration and investigation. This safety technical manual provides guidance for the safe handling and use of the product, but it does not and does not advise on all possible scenarios, so you need to decide the need for other precautions based on your specific use of the product. The data / information contained herein has been reviewed and approved based on the generic version and this document does not contain export control information.

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