

Safety Data Sheet

Product No. 18091 Glycol Methacrylate (GMA)

Issue Date (07-02-15)

Review Date (08-31-17)

Section 1: Product and Company Identification

Product Name: Glycol Methacrylate,(GMA)

Synonym: 2-Hydroxyethyl Methacrylate (HEMA), GMA
(2-Hydroxyethyl methacrylate monomer, inhibited; HEMA)

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day

CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

2.1 Classification of the Substance or Mixture

GHS Pictograms



GHS07

GHS Categories

GHS07: Irritant

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction

2.2 Label Elements

Hazard Pictograms



GHS07

Signal Word: Warning

Hazard-determining components of labeling

2-hydroxyethyl methacrylate

Hazard Statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
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

Health Effects:

NFPA Hazard Rating: Health: 3; Fire: 1; Reactivity: 1
HMIS® Hazard Rating: Health: 3; Fire: 1; Reactivity: 1
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment: A chemical safety assessment has not been carried out.

PBT: ND

vPvB: ND

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Irritant.

Risk Phrases: Irritating to eyes and skin. May cause sensitization by skin contact.

Safety phrases: Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Emergency overview:

Appearance: Clear, colorless liquid.

Immediate effects: Irritation of the skin and eyes.

Potential health effects

Primary Routes of entry: Skin and eye contact.

Signs and Symptoms of Overexposure: ND

Eyes: Causes serious eye irritation.

Skin: Causes skin irritation. May cause an allergic skin reaction.

Ingestion: ND

Inhalation: May cause respiratory irritation.

Chronic Exposure: ND

Chemical Listed As Carcinogen or Potential Carcinogen: No

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

| Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No) | % | OSHA PEL mg/m3 | ACGIH TLV mg/m3 | NTP Carcinogen | IARC Carcinogen | OSHA regulated Carcinogen |
|--|------|----------------------|-----------------------|-------------------|--------------------|---------------------------------|
| 2-hydroxyethyl methacrylate* (868-77-9) | ~100 | NE | NE | No | No | No |

| | | | | | | |
|------------------------|--|--|--|--|--|--|
| EC No: 212-782-2 | | | | | | |
| Index No: 607-124-00-X | | | | | | |

*Inhibited with approximately 330ppm MEHQ

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin Contact: Immediately wash with water and soap and rinse thoroughly.

Inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness, place patient stably in side position for transportation.

Ingestion: If symptoms persist consult doctor.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: 97° C

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: Use dry chemical powder, water spray, fog or foam. Do not use water jet.

Special Fire Fighting Procedures: ND

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: Carbon monoxide and carbon dioxide.

DOT Class: Not regulated.

Section 6: Accidental Release Measures

Steps to be taken in Case Material is Released or Spilled:

Environmental Precautions: Dilute with plenty of water.

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

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage: Keep receptacle tightly sealed. Avoid contact with skin and eyes. Wear appropriate protective clothing.

Storage temperature: Room temperature.

Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limit value.

Personal Protection Equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Fume hood.

Protective gloves: Impermeable gloves.
Skin protection: Appropriate protective clothing.
Eye protection: Tightly-sealed goggles.
Additional clothing and/or equipment: NA

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Clear, colorless liquid.
Odor (threshold): Characteristic (ND)
Specific Gravity (H₂O=1): 1.034
Vapor Pressure (mm Hg) @ 68° C: 1.3 hPa (1 mm Hg)
Vapor Density (air=1) @ 20° C: 1.034 g/cm³ (8.629 lbs/gal)
Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND
Boiling Point: 205-208° C
Melting point: -12° C
pH: ND
Solubility in Water: Fully miscible
Molecular Weight: 130.14

Section 10: Stability and Reactivity

Stability: Stable under recommended storage conditions.
Conditions to Avoid: Heat
Materials to Avoid (Incompatibility): Oxidizing agents.
Hazardous Decomposition Products: None known.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: Oral LD₅₀ 5050 mg/kg (rat)
Primary irritant effect:
 On the skin: Irritant to skin and mucous membranes.
 On the eye: Irritating effect.
 Sensitization: Sensitization possible through skin contact.

Human experience: ND

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Ecological Information: Water hazard class 1 (Assessment by list): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: None.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: Not regulated.
IATA: Proper shipping name: Not regulated.

Marine Pollutant: No
Canadian TDG: Not regulated.

Section 15: Regulatory Information

United States Federal Regulations

SDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: Substance is not listed.

SARA Title III: Substance is not listed.

RCRA: Not listed.

TSCA: All components are listed on the TSCA public inventory.

CERCLA: Substance is not listed.

State Regulations

California Proposition 65: Substance is not listed.

International Regulations

Canada WHMIS: D-2A

Europe EINECS Numbers:

Section 16: Other Information

Label Information: Irritant

European Risk and Safety Phrases: R36/38 R43. Risk Phrases: Irritating to eyes and skin.

May cause sensitization by skin contact.

European symbols needed: Xi

Canadian WHMIS Symbols: D-2A

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.