

Section 1: Identification

Product Name Hydroxyethyl Methacrylate (2) 96%
Commercial Name 2-Hydroxyethyl Methacrylate Stblzd w 250 ppm MEHQ
Product Use Laboratory Chemicals. For R&D use only.
Restrictions On Use Not for drug, household, food, pesticide, biocidal or other uses.
Product Code 30-2936
Company PCCA
 9901 South Wilcrest
 Houston, TX 77099
 Phone: 1-800-331-2498
 Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Skin Corrosion/Irritation Category 2 Serious Eye Damage/Eye Irritation Category 2 Skin Sensitization
CFR 1910.1200 Category 1

Signal Word WARNING

Hazard Statement(s) Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace
Response IF ON SKIN: Wash with plenty of soap and water Take off contaminated clothing and wash before reuse If skin irritation or rash occurs: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
Storage Not available
Disposal Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture
Components Diethylene glycol monomethacrylate, Methacrylic acid, Other ester adducts, Ethylene glycol, 4-Methoxyphenol, Ethylene glycol
% By Weight Diethylene glycol monomethacrylate:3%, Methacrylic acid:<=1.5%, Other ester adducts:0.7%, Ethylene glycol:0.25%, 4-Methoxyphenol:0.25%
CAS# 2351-43-1,79-41-4, No
Molecular Weight 130.14 g/mole
Chemical Formula C6-H10-O3
Synonym(s) Synonyms Ethylene glycol methacrylate * Ethylene glycol, monomethacrylate * Glycol methacrylate * Glycol monomethacrylate * Hydroxyethyl methacrylate * beta - Hydroxyethyl methacrylate * 2- Hydroxyethyl methacrylate * Mhoromer * Monomer MG -1 * Mcnomethacrylic ether of ethylene glycol

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Diethylene glycol monomethacrylate	2351-43-1	3	Not available.	Not available
Methacrylic acid	79-41-4	<=1.5	Not available	Not available

Section 4: First-Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Symptoms/Effects	
Acute	May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing
Delayed	May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chestpain, muscle pain or flushing

Immediate Medical Attention

Treat symptomatically.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**Water spray. Carbon dioxide (CO₂). Dry chemical. Water mist may be used to cool closed containers. Chemical foam.**Unsuitable Extinguishing Media**

Not available.

Products of CombustionCarbon monoxide (CO). Carbon dioxide (CO₂)**Firefighters Special Equipment and Precautions**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment as required. Environmental Precautions: Should not be released into the environment. Methods for Containment and Clean Up: Keep in suitable, closed containers for disposal. Soak up with inert absorbent material.

Section 7: Handling and Storage

Handling: Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Storage: Keep in a dry place. Keep container tightly closed. Keep away from heat, sparks and flame. Protect from direct sunlight. Keep refrigerated. Incompatible Materials. Acids. Bases. Peroxides. Metals. Reducing Agent

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protection	Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice

Section 9: Physical and Chemical Properties

Appearance	Clear Liquid.		
Odor	Characteristic		
Odor Threshold	Not available.		
Melting Point	-12 °C / 10.4 °F	pH	4.0 500 g/l aq.sol
Freezing Point	Not available.	Vapor Pressure	0.13 mbar @ 25 °C
Boiling Point/Range	213 °C / 415.4 °F	Vapor Density	Not available
Decomposition temperature	Not available.	Viscosity	5 mPa.s at 30 °C
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available.
Flash Point	106 °C / 222.8 °F	Autoignition temperature	375 °C / 707 °F
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Soluble in water		
Other	Not available		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Light sensitive
Hazardous Polymerization	Hazardous polymerization may occur upon depletion of inhibitor
Conditions to Avoid	Excess heat. Exposure to light. Incompatible products. Exposure to moist air or water.
Incompatible Materials	Acids, Bases, Peroxides, Metals, Reducing Agent
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂)

Section 11: Toxicological Information

RTECS OZ4725000

Acute Toxicity

LD50 Oral: LD50 = 5050 mg/kg (Rat) LD50 Dermal: LD50 > 3000 mg/kg (Rabbit) LC50 Inhalation: Not listed

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Not available

Routes of Entry

Not available.

Symptoms Related to Exposure

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

Potential Health Effects

Not available

Target Organ(s) Not available**Section 12: Ecological Information****Ecotoxicity**

Freshwater Algae: Not listed Freshwater Fish: LC50: 213 - 242 mg/L, 96h flow-through (Pimephales promelas) LC50: = 227 mg/L, 96h (Pimephales promelas) Microtox: Not listed Water Flea: EC50: 380 mg/L/48h (Daphnia magna)

Persistence and Degradability

Persistence is unlikely

Bioaccumulative Potential

Not available

Mobility in Soil

Will likely be mobile in the environment due to its water solubility. log Pow: 0.47

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Not available.

Other

WHMIS CLASS D-2A: Material causing other toxic (Canada) effects (VERY TOXIC);DSCL (EEC) R36/38- Irritating to eyes and skin. R43- May cause sensitization by skin contact.;Gloves.;Lab coat.;Wear appropriate respirator when ventilation is inadequate.;Splash goggles. This chemical is considered hazardous by the 2012 Osha Haz Com Standard (29 CFR 1910.1200)

Section 16: Other Information

DISCLAIMER For R & D use only. Not for drug, household or other uses. WARRANTY The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.