

1 - Product and Company Information

ProductName 2-HYDROXYPROPYL ACRYLATE - 1 GM

2 - Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Toxic by inhalation, in contact with skin and if swallowed. Causes burns. May cause sensitization by skin contact.

3 - Composition/Information on Ingredients

Product Name	CAS #	EC no	Annex I
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HYDROXYPROPYL ACRYLATE	999-61-1	213-663-8	None
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Formula	C6H10O3
Molecular Weight	130.14 AMU
Synonyms	beta-Hydroxypropyl acrylate * 2-Hydroxypropyl acrylate (ACGIH) * 1,2-Propanediol, 1-acrylate * 2-Propenoic acid, 2-hydroxypropyl ester (9CI) * Propylene glycol monoacrylate

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

AFTER SKIN CONTACT

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions. Combustible liquid.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage

HANDLING

Directions for Safe Handling: Do not breathe vapor. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

STORAGE

Conditions of Storage: Keep tightly closed.

8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash thoroughly after handling.

EXPOSURE LIMITS - DENMARK

Source	Type	Value
OEL	TWA	3 mg/m ³
		0.5 ppm

Remarks: H

EXPOSURE LIMITS - NORWAY

Source	Type	Value
OEL	OEL	2.9 mg/m ³
		0.5 ppm

Remarks: AH

EXPOSURE LIMITS - SWITZERLAND

Source	Type	Value
OEL	OEL	2.7 mg/m ³
		0.5 ppm

Remarks: H

EXPOSURE LIMITS - UNITED KINGDOM

Source	Type	Value
OEL	OEL	2.7 mg/m ³
		0.5 ppm

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

9 - Physical and Chemical Properties

Appearance Physical State: Liquid

Property	Value	At Temperature or Pressure
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pH	N/A	
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BP/BP Range	77 °C	5 mmHg
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MP/MP Range	N/A	
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Flash Point	89 °C	Method: closed cup
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Flammability	N/A	
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Autoignition Temp	N/A	
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Oxidizing Properties	N/A	
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Explosive Properties	N/A	
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Explosion Limits	Lower: 1.8 %	
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Vapor Pressure	N/A	
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SG/Density	1.044 g/cm ³	
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Partition Coefficient	N/A	
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Viscosity	N/A	
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Vapor Density	4.5 g/l	
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Saturated Vapor Conc.	N/A	
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Evaporation Rate	N/A	
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Bulk Density	N/A	
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Decomposition Temp.	N/A	
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Solvent Content	N/A	
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Water Content	N/A	
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Surface Tension	N/A	
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Conductivity	N/A	
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Miscellaneous Data	N/A	
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Solubility	N/A	
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10 - Stability and Reactivity

STABILITY

Stable; Stable.

Materials to Avoid: Strong oxidizing agents, Strong acids, Nitrates.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11 - Toxicological Information

RTECS NUMBER: AT1925000

ACUTE TOXICITY

LD50

Oral

250 mg/kg

LD50

Mouse

1056 mg/kg

LD50

Skin

Rabbit, 1/4000

LD50

Rabbit, 1/4000

SENSITIZATION

Sensitization: May cause allergic skin reaction.

SIGNAL WORDS

Toxic, Harmful, Corrosive, Irritant, Danger, Warning, Precautionary Statement.

ROUTINE OF EXPOSURE

Causes burns. Absorbed through skin. Toxic if

absorbed through skin. Causes burns.

Inhalation: Material is extremely destructive to the tissue of the

respiratory tract. Toxic if

inhaled. Ingestion: Toxic if swallowed.

Ingestion: Toxic if swallowed.

ECOTOXICOLOGICAL EFFECTS

Test Type: LC50 Fish

Species: Pimephales promelas (Fathead minnow)

Time: 96 h

Value: 3.1 mg/l

Subrisk: 1

DISPONAL CONSIDERATIONS

Subrisk: 1

Proper Shipping Name: Corrosive liquid, toxic, n.o.s.

Marine Pollutant: No

Technical Name: Required

SUBSTANCE DISPOSAL

This combustible material may be burned in a chemical incinerator

equipped with an afterburner and scrubber. Observe all federal,

state and local environmental regulations.

TRANSPORT INFORMATION

UN3291

Class: 8

PG: II

Subrisk: 1

Proper Shipping Name: Corrosive liquid, toxic, n.o.s.

Inhalation Packing Group: No

Technical Name: Required

REGULATORY INFORMATION

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

ANNEX I INDEX NUMBER: 607-108-00

NOTIFICATION: C, D

CLASSIFICATION OF DANGER:

R-PHRASES: 23/24/25-34-43

Toxic by inhalation, in contact with skin and if swallowed.

Causes burns. May cause sensitization by skin contact.

S-PHRASES: 26-37/39-45

Wear protective clothing, gloves, and eye/face protection. In case of accident

or if you feel unwell, seek medical advice immediately (show the label where possible).

COUNTRY-SPECIFIC INFORMATION

Germany

WGK: 1

ID-Number: 2087

Classification according to appendix 3.

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