

2-Hydroxyethyl acrylate 818-61-1 MSDS

Section 1 - Chemical Product

MSDS Name: 2-Hydroxyethyl acrylate stabilized 97% Material Safety Data Sheet

Synonym:

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
818-61-1	2-Hydroxyethyl acrylate	97%	212-454-9

Hazard Symbols: T

Risk Phrases: 24 34 43

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Toxic in contact with skin. Causes burns. May cause sensitization by skin contact.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Toxic in contact with skin.

Ingestion:

Harmful if swallowed. Causes gastrointestinal tract burns.

Inhalation:

Causes chemical burns to the respiratory tract.

Chronic:

Not available.

Section 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 5 - FIRE FIGHTING MEASURES

General Information:

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

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - HANDLING and STORAGE

Handling:

Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 818-61-1: Netherlands: 0.05 ppm MAC; 0.24 mg/m³ MAC Russia: 0.5 mg/m³

TWA Personal Protective Equipment Eyes: Not available.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

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.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: colorless

Odor: Not available.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: 5.2 cSt 15 deg C

Boiling Point: Not available.

Freezing/Melting Point: 82 deg C

Autoignition Temperature: Not available.

Flash Point: 99 deg C (210.20 deg F)

Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: soluble in water
Specific Gravity/Density: 1.0110g/cm³
Molecular Formula:
Molecular Weight: 116.12

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Not available.

Conditions to Avoid:

Incompatible materials, light, excess heat.

Incompatibilities with Other Materials:

Oxidizing agents, reducing agents, acids, bases, aluminum, copper, copper alloys, peroxides, steel, metal oxides.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: May occur

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 818-61-1: AT1750000 LD50/LC50:

CAS# 818-61-1: Draize test, rabbit, eye: 1 mg Severe; Draize test, rabbit, eye: 20 mg/24H Moderate;

Oral, mouse: LD50 = 300 mg/kg; Oral, rat: LD50 = 548 mg/kg; Skin, rabbit: LD50 = 298 mg/kg.

Carcinogenicity:

2-Hydroxyethyl acrylate - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Other No information available.

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - TRANSPORT INFORMATION

IATA

No information available.

IMO

No information available.

RID/ADR

No information available.

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 24 Toxic in contact with skin.

R 34 Causes burns.

R 43 May cause sensitization by skin contact.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/39 Wear suitable protective clothing and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 818-61-1: 2

Canada

CAS# 818-61-1 is listed on Canada's DSL List.

CAS# 818-61-1 is listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 818-61-1 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

N/A