

Section 1 - Product and Company Information

Product Name 2-ETHYLACRYLIC ACID, 98%
Product Number 589128
Brand ALDRICH
Company Sigma-Aldrich Canada, Ltd
Address 2149 Winston Park Drive
Oakville ON L6H 6J8 CA
Technical Phone: 9058299500
Fax: 9058299292
Emergency Phone: 800-424-9300

Section 2 - Composition/Information on Ingredient

Substance Name 2-ETHYL ACRYLIC ACID CAS # 3586-58-1 SARA 313
SARA No

Formula C5H8O2

Section 3 - Hazards Identification**EMERGENCY OVERVIEW**

Corrosive.
Causes burns.
Combustible.

HMIS RATING

HEALTH: 2
FLAMMABILITY: 2
REACTIVITY: 0

NEPPA RATING

HEALTH: 2
FLAMMABILITY: 2
REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures**ORAL EXPOSURE**

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

INHALATION EXPOSURE

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

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures**FLAMMABLE HAZARDS**

Flammable Hazards: Yes

FLASH POINT

182 °F 83.3 °C Method: closed cup

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions. Combustible liquid.

Section 6 - Accidental Release Measures**PROCEDURE(S) OF PERSONAL PRECAUTION(S)**

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage**HANDLING**

User Exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed. Keep away from heat and open flame.

SPECIAL REQUIREMENTS

Light sensitive. Moisture sensitive.

Section 8 - Exposure Controls / PPE**ENGINEERING CONTROLS**

Mechanical exhaust required. Safety shower and eye bath.

PERSONAL PROTECTIVE EQUIPMENT

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Respiratory: 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: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance Physical State: Liquid
Color: Colorless

Property	Value	At Temperature or Pressure
Molecular Weight	100.12 AMU	
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	N/A	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
SG/Density	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Volatile%	N/A	
VOC Content	N/A	
Water Content	N/A	
Solvent Content	N/A	
Evaporation Rate	N/A	
Viscosity	N/A	
Surface Tension	N/A	
Partition Coefficient	Log Kow: 1.344	
Decomposition Temp.	N/A	
Flash Point	182 °F 83.3 °C	Method: closed cup
Explosion Limits	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Refractive Index	N/A	
Optical Rotation	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	

Decomposition Temp.

Flammability

Autoignition Temp.

Refractive Index

Optical Rotation

Miscellaneous Data

Solubility

N/A - not available

Section 10 - Stability and Reactivity**STABILITY:** Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

STABILIZERS PRESENT

Inhibited with butylated hydroxytoluene (BHT).

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HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information**ROUTE OF EXPOSURE:** Causes burns.

Skin Absorption: May be harmful if absorbed through the skin.

Inhalation: Causes burns extremely destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

SENSITIZATION:

Sensitization: Possible sensitizer. Determined using Quantitative Structure Activity Relationship (QSAR) modeling. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

SIGNS AND SYMPTOMS OF EXPOSURE:

Signs and symptoms of exposure, toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information**ENGINEERING CONTROLS:**

Mechanical exhaust required. Safety shower and eye bath.

PERSONAL PROTECTIVE EQUIPMENT

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Risk Statements: Causes burns.

R: 34

S: 26-37/39-45

immediately with plenty of water and seek medical advice. Wear suitable 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).

Risk Statements: Causes burns.

R: 34

S: 26-37/39-45

immediately with plenty of water and seek medical advice. Wear suitable 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).

Risk Statements: Combustible.

R: 40

UNITED STATES REGULATORY INFORMATION**SARA LISTED:** No**CANADA REGULATORY INFORMATION**

WHMIS Classification: This product has been classified in accordance with the criteria of the CPR, and the MSDS contains all the information required by the CPR.

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