

SIGMA-ALDRICH			
MATERIAL SAFETY DATA SHEET			
		Date Printed: 01/12/2009	
		Date Updated: 01/28/2006	
		Version 1.6	
Section 1 - Product and Company Information			
Product Name		2-ETHYLACRYLIC ACID, 98%	
Product Number		589128	
Brand		ALDRICH	
Company Address		Sigma-Aldrich Canada, Ltd 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		CAS #	SARA 313
2-ETHYL ACRYLIC ACID		3586-58-1	No
Formula		C5H8O2	
Section 3 - Hazards Identification			
EMERGENCY OVERVIEW			
Corrosive.			
Causes burns.			
Combustible.			
HMIS RATING			
HEALTH: 2			
FLAMMABILITY: 2			
REACTIVITY: 0			
NFPA 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	
N/A - not available			
Section 10 - Stability and Reactivity			
STABILITY			
Stable: 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			
Skin Contact: Causes burns.			
Skin Absorption: May be harmful if absorbed through the skin.			
Eye Contact: Causes burns.			
Inhalation: Material is 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.			
Skin: The preceding data, or interpretation of data, was 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			
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.			
Section 12 - Ecological Information			
No data available.			
Section 13 - Disposal Considerations			
APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION			
Contact a licensed professional waste disposal service to dispose of this material. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.			
Section 14 - Transport Information			
DOT			
Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.			
UN#: 3265			
Class: 8			
Packing Group: Packing Group II			
Hazard Label: Corrosive			
PIH: Not PIH			
IATA			
Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s.			
IATA UN Number: 3265			
Hazard Class: 8			
Packing Group: II			
Section 15 - Regulatory Information			
EU ADDITIONAL CLASSIFICATION			
Symbol of Danger: C			
Indication of Danger: Corrosive.			
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R: 34			
Risk Statements: Causes burns.			
S: 26-36/37/39-45			
Safety Statements: In case of contact with eyes, rinse 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).			
US CLASSIFICATION AND LABEL TEXT			
Indication of Danger: Corrosive.			
Risk Statements: Causes burns.			
Safety Statements: In case of contact with eyes, rinse 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).			
US Statements: Combustible.			
UNITED STATES REGULATORY INFORMATION			
SARA LISTED: No			
CANADA REGULATORY INFORMATION			
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.			
DSL: No			
NDSL: No			
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. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2009Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.			