

1. IDENTIFICATION

Product Name Glacial Acrylic Acid
Recommended use Chemical Synthesis
Supplier Valudor Products, LLC
 179 Calle Magdalena Suite 100
 Encinitas CA 92024
 (760)-635-8500
Emergency Telephone 800-535-5053 (Infotrac)

2. HAZARD IDENTIFICATION

Classification

This product is considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Acute Toxicity - Oral	Category 4
Acute Toxicity - Dermal	Category 4
Acute Toxicity - Inhalation	Category 4
Skin Corrosion/Irritation	Category 1A
Specific Target Organ Toxicity – Single Exposure	Category 3
Flammable Liquids	Category 3

Label Elements

GHS Pictograms



Signal Word

Danger

Hazard Statements

Harmful if swallowed
 Harmful if inhaled
 Harmful in contact with skin
 Causes severe skin burns and eye damage
 May cause respiratory irritation
 Flammable liquid and vapor

Precautionary Statements – Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking
 Keep container tightly closed
 Ground/Bond container and receiving equipment

Response	<p>Use explosion-proof electrical/ventilating/lighting equipment Use only non-sparking tools Take precautionary measures against static discharge Wash thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Do not eat, drink or smoke when using this product Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area If swallowed: Rinse mouth. Do Not induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor In case of fire: Use dry chemical, alcohol foam, water spray or fog</p>
Storage	<p>Store locked up Store in a well-ventilated place. Keep container tightly closed Keep cool</p>
Disposal	<p>Dispose of contents/container to an approved waste disposal plant</p>
Hazards not other classified	<p>None</p>

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance

Chemical Name	Acrylic Acid
Synonym	Glacial Acrylic Acid, Propenoic Acid
Formula	C3H4O2
Molecular weight	72.06 g/mol
Cas No.	79-10-7
Concentration	100 %

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	<p>Immediately rinse with plenty of water. Remove contact lenses, if present and easy to do so. Keep eye wide open while rinsing. Continue rinsing for 15 minutes. Call a doctor/physician if immediately.</p>
Skin Contact	<p>Wash off immediately with plenty of water. Immediately Remove all contaminated clothes and shoes. Get medical attention immediately.</p>
Inhalation	<p>Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.</p>
Ingestion	<p>Do not induce vomiting without medical advice. Rinse mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician</p>

Most important symptoms/effects, acute and delayed

Symptoms No information available

5. FIRE-FIGHTING MEASURES

Suitable extinguishing Media dry chemical, alcohol foam, water spray or fog

Specific Hazards Arising from the chemical

Flammability of product: Flammable liquid

Hazardous combustion products Thermal decomposition can lead to the release of irritation or toxic gases and vapors; including and not limited to:
Carbon oxides

Protective equipment and precautions for fire-fighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Personal precautions Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use personal protection recommended in Section 8. Ensure adequate ventilation.

Methods and materials for containment and cleanup

Methods for clean-up Keep away from heat, flame, sources of ignition. Absorb with dry earth, sand or other non-combustible material. Prevent skin contact with spilled material. Keep unauthorized personnel away.

Environmental Precautions Prevent entry into waterways or sewers

7. HANDLING AND STORAGE

Precautions for safe handling

Handle in a well-ventilated environment. Do not breathe vapors / spray / mist / fume. Avoid contact with skin, eyes or clothing. Wear personal protective equipment in section 8. Wash contaminated clothing before reuse. Wash thoroughly after handling. Wash before breaks and at the end of the workday. Do not eat, drink or smoke when using this product. Clean equipment and work area regularly. Keep away from heat/sparks/open flames/hot surfaces. Ground/Bond container and receiving equipment. Take precautionary measures against static discharge

Conditions for safe storage, including any incompatibilities

Store in a cool/low-temperature, well-ventilated, dry place. Keep containers closed and labeled when not in use. Store locked up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acrylic acid 79-10-7	TWA: 2 ppm	TWA: 10 ppm	TWA: 2 ppm

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material, applicable exposure limits, job activities and other substances in the work place when designing controls and selecting personal protective equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools

Personal Protective Equipment

Eye/face protection	Chemical safety goggles. If Splashes are likely to occur wear face shield
Skin protection	Choose the appropriate protective clothing and gloves based on the tasks being performed to avoid exposure to skin. Wear protective gloves. Wear full chemical suit and boots.
Respiratory protection	Vapor respirator. If exposure limits are exceeded or if irritation or other symptoms are experienced use a NIOSH/MSHA approved respirator
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product.

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance	Colorless Liquid
Physical state	Liquid
Odor	Strong Acrid
Odor threshold	0.092 ppm
pH	Not applicable
Melting point / freezing point	14°C (57.2°F)
Boiling point / Boiling range	141°C (285.8°F)
Flash point	50°C (122°F) Closed cup
Evaporation rate	Not applicable
Flammability	No information available
Flammability or explosive limits	
Upper	No information available
Lower	No information available
Vapor pressure	0.5 kPa (@ 20°C)
Vapor density	2.5 (Air = 1)
Specific Gravity	1.05
Solubility in water	Soluble in cold water.
Partition coefficient	No information available
Auto-ignition temperature	438°C (820.4°F)
Decomposition temperature	No information available
Viscosity	No information available

10. STABILITY AND REACTIVITY

Reactivity	None known under normal conditions.
Chemical stability	Stable under ordinary conditions of use and storage.
Possibility of hazardous reactions	None under normal processing. Reacts violently in contact with incompatible materials. Polymerization can occur
Conditions to avoid	Heat, flames, sparks
Incompatible materials	Oxidizing agents, acids, bases
Hazardous decomposition products	Hazardous combustion can lead to the release of irritating gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact	Harmful in contact with skin
Eye contact	Causes serious eye damage
Inhalation	Harmful if inhaled
Ingestion	Harmful if swallowed

Symptoms related to the physical chemical and toxicological characteristics

No information available

Delayed and immediate effects and also chronic effects form short and long-term exposure

Skin damage/irritation	Causes severe skin burns
Eye damage/irritation	Causes serious eye damage
Sensitization	Not classified
Mutagenic effects	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT – single exposure	May cause irritation of the respiratory tract
STOT – repeated exposure	Not classified
Aspiration hazard	Not classified

12. ECOLOGICAL INFORMATION

Ecotoxicity Very toxic to aquatic life. Should not be released to environment

Component	Freshwater Fish	Freshwater Algae	Water Flea
Acrylic Acid 79-10-7	27 mg/L – 96 hr	0.13 mg/L – 72 hr	47 mg/L – 48 hr

Persistence and degradability No information available

Bioaccumulative potential No information available

Mobility in soil No information available

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Processing, use or contamination of this product may occur during product use. Accordingly, it is the responsibility of the user to determine the proper disposal methodologies. Consult the appropriate state, regional or local regulations to ensure complete and accurate classification. Dispose of contaminated packaging in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT Regulated
 UN Number: 2218
 Proper shipping name: Acrylic Acid, stabilized
 Hazard Class: 8 (3)
 Packing group II
 Marine Pollutant Yes
 Reportable Quantity 5,000 lbs

IATA Regulated
 UN Number: 2218
 Proper shipping name: Acrylic Acid, stabilized
 Hazard Class: 8 (3)
 Packing group II

IMDG Regulated
 UN Number: 2218
 Proper shipping name: Acrylic Acid, stabilized
 Hazard Class: 8 (3)
 Packing group II
 Marine Pollutant Yes

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Listed

US Federal Regulations

TSCA section 12(b) Export Notification
 Not regulated

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313: Acrylic Acid (Cas No. 79-10-7)

SARA 311/312 Hazard Categorization

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Pressure	No
Reactivity	No

CERCLA/SARA 302 & 304

Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

Acrylic Acid (Cas No. 79-10-7) RQ 5,000 lbs

US State Regulations

California Proposition 65

This product does not contain any proposition 65 chemicals

16. OTHER INFORMATION

NFPA Ratings Health: 3 Flammability: 2 Reactivity: 2

Creation Date: 04/27/2021

Revision Date:

Revision Number: 1.0

Revision Information Creation

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text