

## 1. IDENTIFICATION

**Product Name** Acetic Acid Glacial  
**Recommended use** Fertilizer  
**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 considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Skin Corrosion	Category 1A
Eye Damage	Category 1
Flammable Liquid	Category 3

### Label Elements

#### GHS Pictograms



**Signal Word**  
**Hazard Statements**

**Precautionary Statements**  
 Prevention

Response  
 Ingestion  
 Dermal

#### **Danger**

Causes severe skin burns and eye damage  
 Flammable liquid and vapor.

Do not breathe dusts or mists  
 Wash thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
 Keep container tightly closed.  
 Ground/Bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/ lighting equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.

Immediately call a poison center/doctor  
 If swallowed: Rinse mouth. Do NOT induce vomiting  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

Inhalation	Wash contaminated clothing before reuse.
Eye	If inhaled: Remove person to fresh air and keep comfortable for breathing.
Fire	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	In case of fire: Use alcohol stable foam, dry chemical powder, carbon dioxide, water spray or fog to extinguish.
Disposal	Store locked up. Store in a well-ventilated place. Keep cool.
<b>Hazards not other classified</b>	Dispose of contents/container to an approved waste disposal plant. None

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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**Substance**

Chemical name	CAS-No	Weight-%
Glacial Acetic Acid	64-19-7	≥99

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### 4. FIRST-AID MEASURES

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**First Aid Measures**

<b>Eye Contact</b>	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 physician or poison control center immediately.
<b>Skin Contact</b>	Immediately remove all contaminated clothes and shoes. Wash off with plenty of water. Call a physician or poison control center immediately.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Most important symptoms/effects, acute and delayed**

<b>Symptoms</b>	Serious eye damage. Skin burns.
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### 5. FIRE-FIGHTING MEASURES

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**Suitable Extinguishing Media**      Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media      No information available

**Specific Hazards arising from the chemical**

Flammable. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air at elevated temperatures. Development of hazardous combustion gases or vapors possible in the event of fire.

**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** Remove all ignition sources. Avoid breathing vapors. Avoid contact with skin and eyes. Wear protective clothing, gloves, safety goggles and approved mask. Wear anti-static overalls.

**Methods and materials for containment and cleanup**

**Methods for clean-up** Evacuate area immediately. Prevent further leakage or spillage. Use sand or other incombustible material to absorb. Eliminate all ignitions sources.

**Environmental Precautions** Prevent entry into waterways or sewers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Wear personal protective equipment recommended in section 8. Keep away from sources of ignition – no smoking. Take measures to prevent the buildup of static discharge. Use non-sparking tools. Wash thoroughly after handling.

**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.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

<b>Component</b>	<b>ACGIH</b>	<b>NIOSH</b>	<b>OSHA</b>
Glacial Acetic Acid 64-19-7	TWA: 10 ppm STEL: 15 ppm	TWA: 10 ppm ST: 15 ppm	TWA: 10 ppm

**Appropriate engineering controls**

Local exhaust ventilation or enclosed ventilation system. Explosion proof ventilation equipment. Consider the potential hazards of this material, applicable exposure limits, job activities and other substances in the workplace when designing controls and selecting personal protective equipment.

**Personal Protective Equipment**

**Eye/face protection** Chemical Goggles. If splashes are likely to occur wear a face shield.

<b>Skin protection</b>	Impervious, flame retardant, antistatic protective clothing. Choose the appropriate protective clothing and gloves based on the tasks being performed to avoid exposure to skin. Wear protective gloves.
<b>Respiratory protection</b>	Not required under normal circumstances. If exposure limits are exceeded or if irritation or other symptoms are experienced use a NIOSH/MSHA approved respirator.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product.

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## 9. PHYSICAL and CHEMICAL PROPERTIES

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<b>Appearance</b>	Clear colorless liquid
<b>Physical state</b>	Liquid
<b>Odor</b>	Pungent
<b>Odor threshold</b>	No information available
<b>pH</b>	Not applicable
<b>Melting point / freezing point</b>	61 F / 16.6 C
<b>Boiling point / Boiling range</b>	244 F / 118 C
<b>Flash point</b>	> 73.4 F / > 23 C
<b>Evaporation rate</b>	Not applicable
<b>Flammability</b>	No information available
<b>Flammability or explosive limits</b>	
<b>Upper</b>	No information available
<b>Lower</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	1.05
<b>Solubility in water</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	No information available

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## 10. STABILITY AND REACTIVITY

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<b>Reactivity</b>	None known under normal conditions.
<b>Chemical stability</b>	Stable under ordinary conditions of use and storage.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Flame, heat, sources of ignition.
<b>Incompatible materials</b>	Oxidizing agents, soluble carbonates and phosphates, hydroxides, metal, peroxide, permanganate, acids, amines, alcohols, nitric acid.
<b>Hazardous decomposition products</b>	Hazardous combustion can lead to the release of irritating gases and vapors.

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## 11. TOXICOLOGICAL INFORMATION

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**Information on likely routes of exposure**

<b>Skin contact</b>	Causes severe skin damage
<b>Eye contact</b>	Causes serious eye damage
<b>Inhalation</b>	May cause irritation of respiratory tract
<b>Ingestion</b>	May be 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**

<b>Skin damage/irritation</b>	Causes severe skin burns
<b>Eye damage/irritation</b>	Causes serious eye damage
<b>Sensitization</b>	Not classified
<b>Mutagenic effects</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT – single exposure</b>	Not classified
<b>STOT – repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified

**Acute Toxicity****Component information**

Component	Cas-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glacial Acetic Acid	64-19-7	3,310 mg/kg	-	-

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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**                      Should not be released to environment

Component	Freshwater Fish	Algae	Water Flea
Glacial Acetic Acid 64-19-7	LC50: 75 mg/L (96h)	EC50: >300.82 mg/l (48h)	EC50: >300.82 mg/l (72h)

**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**

<b>DOT</b>	Regulated
<b>UN-No</b>	2789
<b>Proper Shipping Name</b>	Acetic acid, glacial
<b>Hazard Class</b>	8 (3)
<b>Packing Group</b>	II
<b>IATA</b>	Regulated
<b>UN-No</b>	2789
<b>Proper Shipping Name</b>	Acetic acid, glacial
<b>Hazard Class</b>	8 (3)
<b>Packing Group</b>	II
<b>IMDG</b>	Regulated
<b>UN-No</b>	2789
<b>Proper Shipping Name</b>	Acetic acid, glacial
<b>Hazard Class</b>	8 (3)
<b>Packing Group</b>	II

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Listed
<b>DSL</b>	Listed

**US Federal Regulations**

**TSCA section 12(b) Export Notification**

Not regulated

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).  
Not applicable

**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). Not applicable

**CWA (Clean Water Act)**

Not applicable

**US State Regulations**

**California Proposition 65**

This product does not contain any proposition 65 chemicals

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**16. OTHER INFORMATION**

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**NFPA Ratings**                      Health: 3                                      Flammability: 2                                      Reactivity: 0

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Revision Number:                      1.0  
Revision Information                      Creation

**Disclaimer**

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