

1. IDENTIFICATION

Product Name Acetic Acid Glacial
Recommended use
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
 Wash contaminated clothing before reuse.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance

Chemical name	CAS-No	Weight-%
<u>Glacial Acetic Acid</u>	<u>64-19-7</u>	<u>>99</u>

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	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
Skin Contact	Immediately remove all contaminated clothes and shoes. Wash off with plenty of water. Call a physician or poison control center immediately
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
Ingestion	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

Symptoms	Serious eye damage. Skin burns.
-----------------	---------------------------------

5. FIRE-FIGHTING MEASURES

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

Component	ACGIH	NIOSH	OSHA
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

Skin protection 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.

Respiratory protection	Not required under normal circumstances. 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	Clear colorless liquid
Physical state	Liquid
Odor	Pungent
Odor threshold	No information available
pH	Not applicable
Melting point / freezing point	61 F / 16.6 C
Boiling point / Boiling range	244 F / 118 C
Flash point	> 73.4 F / > 23 C
Evaporation rate	Not applicable
Flammability	No information available
Flammability or explosive limits	
Upper	No information available
Lower	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	1.05
Solubility in water	No information available
Partition coefficient	No information available
Auto-ignition temperature	No information available
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.
Conditions to avoid	Flame, heat, sources of ignition.
Incompatible materials	oxidizing agents, soluble carbonates and phosphates, hydroxides, metal, peroxide, permanganate, acids, amines, alcohols, nitric acid.
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	Causes severe skin damage
Eye contact	Causes serious eye damage
Inhalation	May cause irritation of respiratory tract
Ingestion	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

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	Not classified
STOT – repeated exposure	Not classified
Aspiration hazard	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	-	-

12. ECOLOGICAL INFORMATION

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

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

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	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

16. OTHER INFORMATION

NFPA Ratings

Health: 3

Flammability: 2

Reactivity: 0

Creation Date: 02/21/2016

Revision Date: 10/15/2019

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