

(I) Chemical Product and Company Identification

Item Number: A061063

Item Name: Acetic Acid Glacial

Synonyms: Glacial Acetic Acid, Ethanoic Acid

Nouresh'shark Co, Fine Chemicals, Egypt
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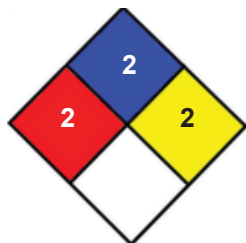
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(II) Composition and Information on Ingredients

CAS Number	EC Number	Formula	Frl Wt (g/ Mole)	Purity (%)	Shelf Life
64-19-7	200-580-7	CH ₃ CO ₂ H	60.05	99	5 Years

(III) Hazards Identification

Health	2
Flammability	2
Reactivity	2
Personal Protection	K



H223:Flammable material

H314:Causes severe skin burns and eye damage

P260:Do not breathe dust/fume/gas/mist/vapours/spray

P305 + P351 + P338:IF IN EYES:Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. continue

P314:Get Medical advice/attention if you feel unwell

Potential Health Effects:

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Target Organ: Not Available

Chronic Effects:

Prolonged or repeated skin contact may cause dermatitis. Repeated inhalation may cause chronic bronchitis.

(IV) First Aid Measures

If Inhaled: If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

If On Skin: Wash off with soap and plenty of water. Consult a physician.

If In Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If Swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

(V) Fire-Fighting Measures

Flash Point (°C): 40

Auto-Ignition Temperature(°C): 427

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

Special Protective Equipment for Fire-Fighters: Wear self contained breathing apparatus for fire fighting if necessary.

(VI) Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Spills/Leaks: Use water spray to dilute spill to a non-flammable mixture. Remove all sources of ignition. Provide ventilation. Cover with material such as dry soda ash or calcium carbonate and place into a closed container for disposal.

(VII) Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of dust, vapour or mist. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage Stored at (20- 32) °C, in well ventilated, dry place. Keep container tightly closed away from air, moisture and
Conditions: light.

(VIII) Exposure Controls/ Personal Protection

Engineering Controls: Use only under a chemical fume hood.

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate standards

(IX) Physical and Chemical Properties

Shape: Liquid

Color: Colorless

Water Solubility: Miscible

Density (Gm/ CC): 1.048

Melting Point (°C): 16-16.5

Boiling Point (°C): 117-118

Flash Point (°C): 40

Viscosity (Centipoise): 1.06 at 25 °C

Surface Tension (Dynes/cm): 27 at 25 °C

Vapor Pressure: 3.3 kPa at 20 °C

Refractive Index: 1.3715

Optical Activity [a]_{D20}: Not Available



(X) Stability and Reactivity Data

Chemical Stability: Stable under recommended storage conditions.

Incompatibilities with Other Materials: Strong acids, bases, permanganates

Hazardous Combustion or Decomposition Products: Carbon monoxide, carbon dioxide, acrid smoke and fumes.

Conditions to Avoid: Direct light, open air, moisture, bad ventilation, heating

(XI) Toxicological Information

Toxicity Data:

LD50 in rats (g/kg): 3.53 orally (Smyth)

Carcinogenicity Data:

OSHA: Not Available

IARC: Not Available

Carcinogenicity (NTP): Not Available

ACGIH: Not Available

(XII) Ecological Information

Toxicity to Aquatic Organisms: Bluegill (fresh water) TLm=75 ppm/96H. Goldfish (fresh water) TLm 100 ppm/96H. Shrimp (aerated water) LC50=100-330 ppm/48H.

Biodegradability: Substance readily degrades in water and shows little potential for bioaccumulation.

Effect on Soil: Substance spreads on soil surface and penetrates at rate dependent on soil type and water content.

PBT and vPvB Assessment: Not Available

Other adverse effects: Not Available

(XIII) Disposal Considerations

Product: Follow legal and local regulations. Consult a professional waste disposal service.

Contaminated Packaging: Dispose as a used package

(XIV) Transport Information

DOT_Shipping Name: Acetic Acid (99 %)

DOT_UN Number: UN2789

DOT_Hazard Class: 8

DOT_Packing Group: II

DOT_Limited Quantity: 30 L

IMDG_Shipping Name: Acetic Acid (99 %)

IMDG_UN Number: UN2789

IMDG_Hazard Class: 8

IMDG_Packing Group: II

IMDG_Limited Quantity: 30 L

IATA_Shipping Name: Acetic Acid (99 %)

IATA_UN Number: UN2789

IATA_Hazard Class: 8

IATA_Packing Group: II

IATA_Limited Quantity: 30 L

Transport Pictograms:





(XV) Regulatory Information

Exposure Maximum Limit:

OSHA List of Hazardous Materials (USA): 10 ppm

NIOSH REL List (USA): 10 ppm

REACH Restriction List (European Union): Not Available

Threshold Limit Values (TLV) of ACGIH (USA): 10 ppm

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 2

Specific hazard:

Hazardous Materials Identification System (USA):

Health Hazard: 2

Fire Hazard: 2

Reactivity: 2

Personal Protection: K

Packaging and labeling was according to (GHS):

Hazard Statement(s): H223;H314

Precautionary statement(s): P260;P305 + P351 + P338;P314

(XVI) Other Information

The information on this Material Safety Data Sheet is correct to the best of our knowledge as of the date of publication. This information should be used only as a guide and is not a guarantee of any specific properties. All chemicals should be handled by qualified personnel using proper handling precautions. Nouresh'shark Co cannot accept liability for any loss, damage, or injury that results from the use of this chemical. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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