



Material Safety Data Sheet

Acetic Acid Glacial

Section 1.1 – Product Identification

Product name : Acetic Acid Glacial
Molecular formula : CH₃COOH
CAS # : 64-19-7

Section: 1.2 – Company Identification

Company Name: Indenta Chemicals (India) Pvt. Ltd.

Address: 117, Summit Business Bay, Nr, WEH Metro Station , Opp Cinemax Andheri E, Mumbai -400 009. (India)

Telephone #: +91-22-26849060

Fax #: +91-22-26849060

Section 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS02 flame

Flam. Liq. 3 H226 Fla

mmable liquid and vapour.

GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

C; Corrosive

R35: Causes severe burns.

R10: Flammable.

Information concerning particular hazards for human and environment: Not applicable

Other hazards that do not result in classification: No information known.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

Signal word: Danger

Hazard statements

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Potential Health Effects

Eyes: Causes eye irritation and possible burns.

Skin: Harmful if absorbed through the skin. Contact with skin causes irritation and possible burns.

Ingestion: May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. Harmful if swallowed. May cause kidney damage.

Inhalation: May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema.

Chronic: No information found.

Section 3: Composition / Ingredient Information

CAS#	Chemical Name	Percent	EINECS/ELINCS
64-19-7	Acetic acid	99.8	200-580-7

Hazard Symbols: C

Risk Phrases: 10 35

Section 4: First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Eyes: Flush with plenty of water or eye wash. Consult a physician.

Skin: Wash off soap and water. Get medical attention if irritation persists.

Ingestion: Seek immediate medical advice

Inhalation: If breathed in, move person into fresh air. Consult a physician.

Section 5: Fire Fighting Measures

Autoignition Temperature: 427 deg C (800.60 deg F)

Flash Point: 40 deg C (104.00 deg F)

Suitable extinguishing media: Use dry chemical or CO₂, alcohol-resistant foam, water spray.

Special protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

Decomposition Materials: Carbon Dioxide, Carbon Monoxide.

Section 6: Accidental Release Measures

Environmental Precautions: Keep away from drains, surface and ground water. Report spills to appropriate authorities if required.

Methods for cleaning up: Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water.

Safety Precautions: Eliminate all ignition sources. Ventilate area.

Section 7: Handling And Storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from fire and open flames.

Storage: Store in cool, dry and well-ventilated area protected in tightly closed container away from sources of ignition, heat and sunlight.

Section 8: Exposure Control / Personal Protection

Work/Hygiene Practice: Normal work and hygiene practices for handling non-hazardous liquid material.

Eye: Safety glasses should be worn.

Skin/Body: Using chemically resistant clothes and gloves are recommended.

Respiratory: Not needed under normal conditions of use.

Other: Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

Section 9: Physical And Chemical Properties

Physical State: Liquid

Appearance: clear, colorless

Odor: Pungent (vinegar) odor.

pH: Not available.

Vapor Pressure: 15 mm Hg @20 deg C

Vapor Density: 2.10 (Air=1)

Evaporation Rate:

Viscosity: 1.53 mPas 25 de

Boiling Point: 117 - 118 deg C @ 760.00mm Hg

Freezing/Melting Point:16 - 16.5 deg C

Decomposition Temperature: Not available.

Solubility: miscible with water

Specific Gravity/Density:1.0490g/cm³

Section 10: Stability And Reactivity

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Avoid sparks, flame, excessive heat and strong oxidizers and strong acids.

Hazardous Polymerization: N/A.

Hazardous Decomposition products: None known. When heated to decomposition produces acid fumes and carbon monoxide smoke

Section 11: TOXICOLOGICAL INFORMATION

Eyes: Not expected to be an irritant.

Skin Irritancy: Not expected to be an irritant.

Threshold Limit Value: Non Toxic.

Signs and Symptoms of Exposure: N/A

Carcinogenicity: CAS# 64-19-7: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: Effects on Newborn: behavioral, orl-rat TDLo=700 mg/kg.

Reproductive Effects: Fertility: male index, itt-rat TDLo=400 mg/kg. orl-rat TDLo 700 mg/kg (18D post)

Neurotoxicity: No information available.

Mutagenicity: mmo-esc 300 ppm/3H sln-dmg-ork 1000 ppm cyt-grh-par 40 mmol/l sce-hmn-lym 5 mmol/l dns-mus-skn 79279 fg/kg oms-mus-skn 1201 mg/kg cyt-ham-ovr 10 mmol/l

Other Studies: None.

Section 12: ECOLOGICAL INFORMATION

Biodegradation: Expected to be ultimately biodegradable

Aquatic Toxicity: No Data.

Bacterial Toxicity: No Data.

Section 13: DISPOSAL CONSIDERATION

Waste Disposable method Combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber in accordance with all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging Dispose of as unused product. .

Section 14: Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	ACETIC ACID, GLACIAL	ACETIC ACID, GLACIAL	ACETIC ACID, GLACIAL	ACETIC ACID, GLACIAL	ACETIC ACID GLACIAL
Hazard Class:	8	8	8(32B)	8	8(9.2)
UN Number:	UN2789	UN2789	UN2789	UN2789	UN2789
Packing Group:	II	II		II	II

Section 15: REGULATORY INFORMATION

US FEDERAL

TSCA

CAS# 64-19-7 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)

CAS# 64-19-7: final RQ = 5000 pounds (2270 kg)

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 64-19-7: acute, chronic, flammable.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

CAS# 64-19-7 is listed as a Hazardous Substance under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 64-19-7 can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California No Significant Risk Level: None of the chemicals in this product are listed. **European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols:

C

Risk Phrases:

R 10 Flammable. R 35 Causes severe burns.

Safety Phrases:

S 23 Do not inhale gas/fumes/vapour/spray. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 64-19-7: 1

Canada

CAS# 64-19-7 is listed on Canada's DSL/NDSL List.

This product has a WHMIS classification of B3, E.

CAS# 64-19-7 is not listed on Canada's Ingredient Disclosure List.

Section 16: Additional Information

This information is provided for documentation purposes only.

The information contained in this Certificate of Analysis and Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of Indenta Chemicals (India) Pvt. Ltd. knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any Laws or Regulation. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from Indenta Chemicals (India) Pvt. Ltd. with the clear understanding that all products must

be used at the customers own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. Indenta Chemicals (India) Pvt. Ltd. shall not be held responsible for any damages to property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As with any manufacturing process, Indenta Chemicals (India) Pvt. Ltd. strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the Indenta Chemicals (India) Pvt. Ltd. website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. Nothing contained herein should be considered as a recommendation by Indenta Chemicals (India) Pvt. Ltd. as to the fitness for any use. As the ordinary or otherwise use(s) of this product is outside the control of Indenta Chemicals (India) Pvt. Ltd., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The liability of Indenta Chemicals (India) Pvt. Ltd. is limited to the value of the goods and does not include any consequential loss. Indenta Chemicals (India) Pvt. Ltd. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.