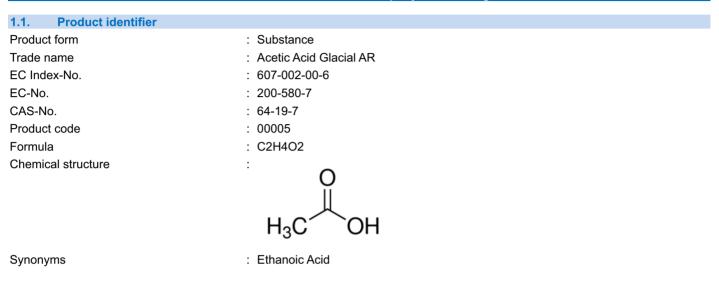
# ACETIC ACID GLACIAL AR MSDS

# CAS-No.: 64-19-7 MSDS



### **MATERIAL SAFETY DATA SHEET (MSDS)**

SECTION 1: Identification of the substance/mixture and of the company/undertaking



#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec

: Industrial For professional use only

#### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

SPAN LAB UNIT NO. 14,SKY INDUSTRIAL ESTATE,WALIV, VASAI (E) 401208 Mumbai - INDIA PH: +91 9820509929 info@spanlab.in www.spanlab.in

#### **SECTION 2: Hazards identification**

/ 1A eye damage/eye	H318		
/ 1A			
osion/irritation,	H314		
4			
	H332		
· ·			
ole liquids.	H226		
cation according	to Regulation (EC) No. 1272/2008 [CLP]		
Classification of	the substance or mixture		
Classification of	the substance or mixture		
	cation according ble liquids, 7 3 kicity (inhal.), 7 4 osion/irritation,	ble liquids, H226 7 3 kicity (inhal.), H332 7 4 rosion/irritation, H314	cation according to Regulation (EC) No. 1272/2008 [CLP] ble liquids, H226 7 3 kicity (inhal.), H332 7 4 rosion/irritation, H314

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irritation, Category 1

Full text of H statements : see section 16

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] C; R35 R10 Full text of R-phrases: see section 16

#### Adverse physicochemical, human health and environmental effects No additional information available

2.2. Label elements	
Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS05
Signal word (CLP)	: Danger
Hazard statements (CLP)	<ul> <li>H226 - Flammable liquid and vapour.</li> <li>H314 - Causes severe skin burns and eye damage.</li> </ul>
Precautionary statements (CLP)	<ul> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P310 - Immediately call a POISON CENTER/doctor</li> </ul>

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

3.1. Substanc	es
Name	: ACETIC ACID GLACIAL AR
CAS-No.	: 64-19-7
EC-No.	: 200-580-7
EC Index-No.	: 607-002-00-6

Full text of R- and H-statements: see section 16

3.2.	Mixtures
Not appl	cable

Safety Data Sheet

### SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/effects	: Causes severe skin burns and eye damage.
Symptoms/effects after eye contact	: Causes serious eye damage.
4.3. Indication of any immediate med	ical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
0 0	
5.2. Special hazards arising from the	substance or mixture
Fire hazard	: Flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when
	fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measures	
SECTION 0. Accidental release measures	
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
Emergency procedures	
6.2. Environmental precautions	
Prevent entry to sewers and public waters. N	Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for contain	ment and cleaning up
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as
	possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

Safety Data Sheet

SECTION 7: Handling and storage

7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling.
7.2. Conditions for safe storage, inc	cluding any incompatibilities
Technical measures	<ul> <li>Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Comply with applicable regulations.</li> </ul>
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
7.3. Specific end use(s)	
No additional information available	

SECTION 8: Exposure controls/personal protection

#### 8.1. **Control parameters**

No additional information available

8.2. Exposure controls	
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: protective gloves
Eye protection	: Chemical goggles or face shield
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Wear appropriate mask
Other information	: Do not eat, drink or smoke during use.
SECTION 9: Physical and chemical properties	

9.1. Information on basic physical a	nd chemical properties
Physical state	: Liquid
Colour	: Clear Colorless.
Odour	: strong, vinegar-like.
Odour threshold	: No data available
рН	: 2.4
Relative evaporation rate (butylacetate=1)	: 0.97
Melting point	: 16.2 °C

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Freezing point	: No data available
Boiling point	: 117 - 118
Flash point	: 40 °C
Auto-ignition temperature	: 485 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour.
Vapour pressure	: 15.2 hPa at 20°C
Relative vapour density at 20 °C	: 2.1
Relative density	: No data available
Density	: 1.049 g/cm <sup>3</sup>
Solubility	: Water: Complete
Log Pow	: 0.17
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 0.04 - 0.199 vol %

#### 9.2. Other information

No additional information available

SECTION 10: Stability and reactivity		
10.1.	Reactivity	
	al decomposition generates : Corrosive vapours.	
10.0		

#### 10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases. Thermal decomposition generates : Corrosive vapours.

#### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Acute toxicity

: Inhalation: Harmful if inhaled.

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Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 2.4
Serious eye damage/irritation	: Causes serious eye damage. pH: 2.4
Respiratory or skin sensitisation	. Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
SECTION 12: Ecological information	

12.2. Persistence and degradability	
Acetic Acid Glacial AR (64-19-7)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential	
Acetic Acid Glacial AR (64-19-7)	
Log Pow	0.17
Bioaccumulative potential	Not established.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

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12.6. Other adverse effects Additional information	: Avoid release to the environment.
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Additional information Ecology - waste materials	<ul> <li>Handle empty containers with care because residual vapours are flammable.</li> <li>Avoid release to the environment.</li> </ul>
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IA	ra / adn
14.1. UN number	
UN-No. (ADR)	: 2789
UN-No. (IMDG)	: 2789
UN-No. (IATA)	: 2789
UN-No. (ADN)	: 2789
UN-No. (RID)	: 2789
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: ACETIC ACID, GLACIAL
Proper Shipping Name (IMDG)	: ACETIC ACID, GLACIAL
Proper Shipping Name (IATA)	: Acetic acid, glacial
Proper Shipping Name (ADN)	: ACETIC ACID, GLACIAL
Proper Shipping Name (RID)	: ACETIC ACID, GLACIAL
Transport document description (ADR)	: UN 2789 ACETIC ACID, GLACIAL, 8 (3), II, (D/E)
Transport document description (IMDG)	: UN 2789 ACETIC ACID, GLACIAL, 8 (3), II
Transport document description (IATA)	: UN 2789 Acetic acid, glacial, 8 (3), II
Transport document description (ADN)	: UN 2789 ACETIC ACID, GLACIAL, 8 (3), II
Transport document description (RID)	: UN 2789 ACETIC ACID, GLACIAL, 8 (3), II
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: 8 (3)
Danger labels (ADR)	: 8, 3
IMDG	
Transport hazard class(es) (IMDG)	: 8 (3)
Danger labels (IMDG)	: 8, 3

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ouldry Data Officer	
	. 0 (2)
Transport hazard class(es) (IATA)	: 8 (3)
Hazard labels (IATA)	: 8, 3
	8
4.5.1	
	. 0 (2)
Transport hazard class(es) (ADN)	: 8 (3)
Danger labels (ADN)	: 8, 3
	8 3
	V V
RID	
Transport hazard class(es) (RID)	: 8 (3)
Danger labels (RID)	: 8, 3
	. 0, 0
	8 3
14.4. Packing group	
Packing group (ADR)	: 11
Packing group (IMDG)	: 11
Packing group (IATA)	: 11
Packing group (ADN)	: 11
Packing group (RID)	: 11
14.5. Environmental hazards	
14.5.Environmental hazardsDangerous for the environment	: No
-	No
Marine pollutant Other information	: No supplementary information available
14.6. Special precautions for user	
- Overland transport	
Classification code (ADR)	: CF1
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container	: T7
instructions (ADR)	
Portable tank and bulk container special	: TP2
provisions (ADR)	
Tank code (ADR)	: L4BN

Vehicle for tank carriage

: FL

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Transport category (ADR) Special provisions for carriage - Operation	: 2 : S2
(ADR) Hazard identification number (Kemler No.)	: 83
Orange plates	83
	2789
Tunnel restriction code (ADR) EAC code APP code	: D/E : •2P : A(fl)
- Transport by sea Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) MFAG-No	: 1 L : E2 : P001 : IBC02 : T7 : TP2 : F-E : S-C : A : 132
<ul> <li>Air transport</li> <li>PCA Excepted quantities (IATA)</li> <li>PCA Limited quantities (IATA)</li> <li>PCA limited quantity max net quantity (IATA)</li> <li>PCA packing instructions (IATA)</li> <li>PCA max net quantity (IATA)</li> <li>CAO packing instructions (IATA)</li> <li>CAO max net quantity (IATA)</li> <li>ERG code (IATA)</li> </ul>	: E2 : Y840 : 0.5L : 851 : 1L : 855 : 30L : 8F
<ul> <li>Inland waterway transport</li> <li>Classification code (ADN)</li> <li>Limited quantities (ADN)</li> <li>Excepted quantities (ADN)</li> <li>Carriage permitted (ADN)</li> <li>Equipment required (ADN)</li> <li>Ventilation (ADN)</li> <li>Number of blue cones/lights (ADN)</li> </ul>	: CF1 : 1 L : E2 : T : PP, EP, EX, A : VE01 : 1
<ul> <li>Rail transport</li> <li>Classification code (RID)</li> <li>Limited quantities (RID)</li> <li>Excepted quantities (RID)</li> <li>Packing instructions (RID)</li> <li>Mixed packing provisions (RID)</li> <li>Portable tank and bulk container instructions (RID)</li> <li>Portable tank and bulk container special provisions (RID)</li> <li>Tank codes for RID tanks (RID)</li> <li>Transport category (RID)</li> </ul>	: CF1 : 1L : E2 : P001, IBC02 : MP15 : T7 : TP2 : L4BN : 2

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Colis express (express parcels) (RID) Hazard identification number (RID)	: CE6 : 83
14.7. Transport in bulk according t	o Annex II of MARPOL 73/78 and the IBC Code
Not applicable	

**SECTION 15: Regulatory information** 

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Acetic Acid Glacial AR is not on the REACH Candidate List Acetic Acid Glacial AR is not on the REACH Annex XIV List

#### 15.1.2. National regulations

NIET-limitatieve lijst van voor de

#### Germany

Reference to AwSV	: Water hazard class (WGK) 1, low hazard to water (Classification according to AwSV; ID No. 93)
12th Ordinance Implementing the Federal : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) Immission Control Act - 12.BImSchV	
Netherlands	
Nethenands	
SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: The substance is not listed

voortplanting giftige stoffen – Vruchtbaarheid	
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: The substance is not listed

Denmark	
Class for fire hazard	: Class II-1
Store unit	: 5 liter
Classification remarks	<ul> <li>R10 <h226;h314>; Emergency management guidelines for the storage of flammable liquids must be followed</h226;h314></li> </ul>
Recommendations Danish Regulation	: Young people below the age of 18 years are not allowed to use the product

: The substance is not listed

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### SECTION 16: Other information

Safety Data Sheet

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

#### Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
R10	Flammable
R35	Causes severe burns
С	Corrosive

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product