CAS-No.: MSDS



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

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

1.1. Product identifier

Product form : Mixture

:

Product code : 5153B

### 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

LOBA CHEMIE PVT.LTD.

107 Wode House Road, Jehangir Villa, Colaba
400005 Mumbai - INDIA
T +91 22 6663 6663 - F +91 22 6663 6699
info@lobachemie.com - www.lobachemie.com

#### 1.4. Emergency telephone number

Emergency number : + 91 22 6663 6663 (9:00am - 6:00 pm)

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

### 2.1. Classification of the substance or mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, H226

Category 3

Corrosive to metals, H290

Category 1

Skin corrosion/irritation, H314

Category 1

Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

www.lobachemie.com 26/08/2019 1/10

Safety Data Sheet

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)





GHS02

302 GHS05

Signal word (CLP) : Danger

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

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

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ACETIC ACID GLACIAL AR	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6	99 - 100	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318
PERCHLORIC ACID 70-72%		>= 0.1	Not classified

Full text of H-statements: see section 16

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing

respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.

www.lobachemie.com 26/08/2019 2/10

### Safety Data Sheet

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation

persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Causes severe skin burns and eye damage.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Explosion hazard : Heating may cause a fire or explosion.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

### 6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean contaminated surfaces with an excess of water.

### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating,

drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

### 7.3. Specific end use(s)

No additional information available

### **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

No additional information available

www.lobachemie.com 26/08/2019 3/10

: No data available

Safety Data Sheet

### **Exposure controls**

Odour

pΗ

Melting point

Boiling point

Hand protection : Protective gloves

Eye protection : Chemical goggles or safety glasses Skin and body protection : Wear suitable protective clothing Respiratory protection : Wear respiratory protection.

### SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Physical state : Liquid

Colour : Clear colourless.

: No data available Odour threshold

: No data available

Relative evaporation rate (butylacetate=1) : No data available

Freezing point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

: No data available Decomposition temperature

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Solubility : No data available

Log Pow : No data available

Viscosity, kinematic

Viscosity, dynamic : No data available

Oxidising properties : No data available

: No data available **Explosive limits** 

### Other information

Explosive properties

No additional information available

www.lobachemie.com 26/08/2019 4/10

Safety Data Sheet

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

May be corrosive to metals.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Direct sunlight. Open flame. Overheating.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

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

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Causes severe skin burns and eye damage. Serious eye damage/irritation : Serious eye damage, category 1, implicit

Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Reproductive toxicity : Not classified STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

### SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

www.lobachemie.com 26/08/2019 5/10

Safety Data Sheet

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

#### 12.6. Other adverse effects

No additional information available

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

No additional information available

### **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / 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 SOLUTION
Proper Shipping Name (IMDG) : ACETIC ACID, GLACIAL
Proper Shipping Name (IATA) : Acetic acid solution
Proper Shipping Name (ADN) : ACETIC ACID, GLACIAL
Proper Shipping Name (RID) : ACETIC ACID, GLACIAL

Transport document description (ADR) : UN 2789 ACETIC ACID SOLUTION, 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 solution, 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

www.lobachemie.com 26/08/2019 6/10

Safety Data Sheet



#### **IMDG**

Transport hazard class(es) (IMDG) : 8 (3)
Danger labels (IMDG) : 8, 3



### **IATA**

Transport hazard class(es) (IATA) : 8 (3) Hazard labels (IATA) : 8, 3



### ADN

Transport hazard class(es) (ADN) : 8 (3)
Danger labels (ADN) : 8, 3



### RID

Transport hazard class(es) (RID) : 8 (3)
Danger labels (RID) : 8, 3



### 14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

### 14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available

www.lobachemie.com 26/08/2019 7/10

Safety Data Sheet

### 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

instructions (ADR)

: T7

Portable tank and bulk container special

provisions (ADR)

: TP2

Tank code (ADR) : L4BN

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Operation : S2

(ADR)

o.) : 83

Hazard identification number (Kemler No.) Orange plates

83

270

2789

Tunnel restriction code (ADR) : D/E
EAC code : •2P
APP code : A(fl)

### - Transport by sea

Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP2
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-C
Stowage category (IMDG) : A

Properties and observations (IMDG) : Colourless flammable liquid with a pungent odour. When pure, crystallizes below

16°C. Flashpoint: 40°C c.c. (pure product) 60°C c.c. (80% solution) Explosive limits: 4% to 17% Miscible with water. Corrosive to lead and most other metals. Corrosive

to skin, eyes and mucous membranes.

#### - Air transport

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y840
PCA limited quantity max net quantity : 0.5L

(IATA)

PCA packing instructions (IATA) : 851
PCA max net quantity (IATA) : 1L
CAO packing instructions (IATA) : 855
CAO max net quantity (IATA) : 30L
ERG code (IATA) : 8F

### - Inland waterway transport

Classification code (ADN) : CF1
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E2
Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP, EX, A

www.lobachemie.com 26/08/2019 8/10

### Safety Data Sheet

Ventilation (ADN) : VE01 Number of blue cones/lights (ADN) : 1

- Rail transport

Classification code (RID) : CF1
Limited quantities (RID) : 1L
Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02

Mixed packing provisions (RID) : MP15
Portable tank and bulk container : T7

instructions (RID)

Portable tank and bulk container special

provisions (RID)

Tank codes for RID tanks (RID) : L4BN
Transport category (RID) : 2
Colis express (express parcels) (RID) : CE6
Hazard identification number (RID) : 83

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: TP2

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

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to

AwSV, Annex 1)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BlmSchV

: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed : None of the components are listed : None of the components are listed : None of the components are listed

voortplanting giftige stoffen - Borstvoeding

NIET-limitatieve lijst van voor de voortplanting giftige stoffen –

: None of the components are listed

Vruchtbaarheid

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Ontwikkeling

: None of the components are listed

### Denmark

www.lobachemie.com 26/08/2019 9/10

### Safety Data Sheet

Recommendations Danish Regulation

: Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No additional information available

### **SECTION 16: Other information**

### Full text of 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
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.

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.

www.lobachemie.com 26/08/2019 10/10