

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

## **ACETIC ACID 2M (2N) STANDARDIZED SOLUTION**

CAS-No.: NA

Product Code: 00022

**Chemnovo**  
DRIVEN BY CHEMISTRY, DEFINED BY PRECISION

**CHEMNOVO SYNTHESIS PVT LTD.**

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

**1.1. Product identifier**

Product form : Mixture  
Trade name : Acetic Acid 2m (2n) Standardized Solution  
CAS No : NA

**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**

Company : Chemnovo Synthesis Pvt Ltd.  
N-226 Near Kumbhavali Naka  
Tarapur MIDC, Boisar-401 506  
Palghar, Maharashtra  
Telephone : +91 7400096089  
Email: export@chemnovo.in

**1.4. Emergency telephone number**

Emergency number : +91 7400096089 (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]

Skin corrosion/irritation, H315

Category 2

Serious eye damage/eye irritation, Category 2  
H319

Full text of H statements : 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) :



GHS07

Signal word (CLP)	:	Warning
Hazard statements (CLP)	:	H315 – Causes skin irritation. H319 – Causes serious eye irritation.
Precautionary statements (CLP)	:	P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### **2.3. Other hazards**

No additional information available

## **SECTION 3: Composition/information on ingredients**

### **3.1. Substance**

Not applicable

### **3.2. Mixture**

<b>Name</b>	<b>Product identifier</b>	<b>%</b>	<b>Classification according to Directive 67/548/EEC</b>	<b>Classification according to Regulation (EC) No. 1272/2008 [CLP]</b>
Water	(CAS No) 7732-18-5 (EC no) 231-791-2	75 - 80	Not classified	Not classified
Acetic acid	(CAS No) 64-19-7 (EC no) 200-580-7	15 - 25	C; R35 R10	Skin Corr. 1A, H314 Eye Dam. 1, H318 Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation) H332,

Full text of H-phrases: see section 16

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

### **4.1. Description of first aid measures**

First-aid measures after inhalation :

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after skin contact :

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

**First-aid measures after eye contact :**

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Immediately call a POISON CENTER or doctor/physician.

**First-aid measures after ingestion :**

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician

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

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

**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**

No additional information available

**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 : Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Stop release.

**6.2. Environmental precautions**

Avoid release to the environment.

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

Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

**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	:	Keep container tightly closed. Store in a dry place.
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**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**

Hand protection	:	protective gloves
Eye protection	:	Chemical goggles or face shield
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	Wear appropriate mask

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	:	Liquid
Colour	:	Clear Colorless.
Odour	:	characteristic odour.
Odour threshold	:	No data available
pH:	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
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
Density	:	1 g/cm <sup>3</sup>
Solubility	:	Water: Soluble in water
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available

Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No additional information available

**10.2. Chemical stability**

Stable under normal conditions of use.

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

Overheating. Direct sunlight.

**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 skin irritation
Serious eye damage/irritation	:	Causes serious eye irritation.
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**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**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 /AND

**14.1. UN number**

UN-No. (ADR)	:	2790
UN-No. (IMDG)	:	2790
UN-No.(IATA)	:	2790
UN-No.(AND)	:	2790
UN-No. (RID)	:	2790

**14.2. UN proper shipping name**

Proper Shipping Name (ADR)	:	Acetic Acid Solution
Proper Shipping Name (IMDG)	:	Acetic Acid Solution
Proper Shipping Name (IATA)	:	Acetic Acid Solution
Proper Shipping Name (ADN)	:	Acetic Acid Solution
Proper Shipping Name (RID)	:	Acetic Acid Solution
Transport document description (ADR)	:	UN 2790 ACETIC ACID SOLUTION, 8, III, (E)
Transport document description (IMDG)	:	UN 2790 ACETIC ACID SOLUTION, 8, III
Transport document description (IATA)	:	UN 2790 ACETIC ACID SOLUTION, 8, III
Transport document description (ADN)	:	UN 2790 ACETIC ACID SOLUTION, 8, III
Transport document description (RID)	:	UN 2790 ACETIC ACID SOLUTION, 8, III

**14.3. Transport hazard class(es)**

ADR

Transport hazard class(es) (ADR)	:	8
Danger labels (ADR)	:	8



IMDG

Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8



IATA

Transport hazard class(es) (IATA) : 8

Hazard labels (IATA) : 8



AND

Transport hazard class(es) (ADN) : 8

Danger labels (AND) : 8



RID

Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8



**14.4. Packing group**

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

**14.5. Environmental hazards**

Dangerous for the environment	:	No
Marine pollutant	:	No
Other information	:	No supplementary information available

**14.6. Special precautions for user**

**- Overland transport**

Classification code (ADR)	:	C3		
Special provisions (ADR)	:	597, 647		
Limited quantities (ADR)	:	5I		
Excepted quantities (ADR)	:	E1		
Packing instructions (ADR)	:	P001, IBC03, LP01, R001		
Mixed packing provisions (ADR)	:	Mp19		
Portable tank and bulk container instructions (ADR)	:	T4		
Portable tank and bulk container special provisions (ADR)	:	Tp1		
Tank code (ADR)	:	L4BN		
Vehicle for tank carriage	:	AT		
Transport category (ADR)	:	3		
Special provisions for carriage - Packages (ADR)		V12		
Hazard identification number (Kemler No.)	:	80		
Orange plates	:	<table border="1"><tr><td>80</td></tr><tr><td>2790</td></tr></table>	80	2790
80				
2790				

Tunnel restriction code (ADR)	:	E
EAC code	:	•2R
<b>- Transport by sea</b>		
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, Lp01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T4

Tank special provisions (IMDG)	:	Tp1
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-B
Stowage category (IMDG)	:	A
MFAG-No	:	153
- Air transport		
PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y841
PCA limited quantity max net quantity : (IATA)		1L
PCA packing instructions (IATA)	:	852
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	856
CAO max net quantity (IATA)	:	60L
ERG code (IATA)	:	8L
- Inland waterway transport		
Classification code (ADN)	:	C3
Special provisions (ADN)	:	597, 647
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Carriage permitted (AND)	:	T
Equipment required (ADN)	:	PP, EP
Number of blue cones/lights (ADN)	:	0
- Rail transport		
Classification code (RID)	:	C3
Special provisions (RID)	:	597, 647
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Mixed packing provisions (RID)	:	Mp19
Portable tank and bulk container instructions (RID)		T4
Portable tank and bulk container special provisions (RID)	:	Tp1
Tank codes for RID tanks (RID)	:	L4BN
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	Ce8
Hazard identification number (RID)	:	80

## 14.7. Transport in bulk according to 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**

Contains no substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no substance on the REACH candidate list

**15.1.2. National regulations**

**Germany**

Reference to AwSV : Water hazard class (WGK) 3, Highly hazardous to water  
(Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**

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

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

NIET-limitatieve lijst van voor de : None of the components are listed

voortplanting giftige stoffen - Borstvoeding

NIET-limitatieve lijst van voor de : None of the components are listed

voortplanting giftige stoffen -

Vruchtbaarheid

NIET-limitatieve lijst van voor de : None of the components are listed

voortplanting giftige stoffen - Ontwikkeling

**15.2. Chemical safety assessment**

No additional information available

**SECTION 16: Other information**

Full text of H- and EUH-phrases:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

**MATERIAL SAFETY DATA SHEET (SDS/MSDS)**  
**ACETIC ACID 2M (2N) STANDARDIZED**  
**SOLUTION**  
**CAS-No.: NA**



H332	Harmful if inhaled.
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**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Chemnovo Synthesis Pvt Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.chemnovo.in](http://www.chemnovo.in) for additional terms and conditions of sale.

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