



METHYLAMINE SOLUTION 40%
CAS No 74-89-5

MATERIAL SAFETY DATA SHEET
SDS/MSDS

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

1.1 Product identifiers

Product name : METHYLAMINE SOLUTION 40%

CAS-No. : 74-89-5

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

Identified uses : Laboratory chemicals, Industrial & for professional use only.

1.3 Details of the supplier of the safety data sheet

Company : Central Drug House (P) Ltd
7/28 Vardaan House
Ansari Road Daryaganj
New Delhi -110002 INDIA
Telephone : +91 11 49404040
Email : care@cdhfinechemical.com

1.4 Emergency telephone number

Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flammable liquids, (Category 2), H225

Acute toxicity, Oral, (Category 4), H302

Skin corrosion or irritation, (Category 1A), H314 Acute toxicity, Inhaled, (Category 3), H331

Specific target organ toxicity, single exposure, Respiratory tract irritation, (Category 3), H335

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H331 Toxic if inhaled

H335 May cause respiratory irritation

H225 Highly flammable liquid and vapour

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H331 Toxic if inhaled

H335 May cause respiratory irritation

Precautionary Statement(s)

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

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P304+P340+P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.

P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minute. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3: composition/information on ingredients

3.1 Substances

Molecular Formula : CH₅N

Molecular Weight : 31.06

CAS No. : 74-89-5

EC No. : 200-820-0

Component	Classification	Concentration
Methylamine solution 40%		
CAS No. : 74-89-5 EC No. : 200-820-0	As Per EC Regulation 1272/2008 Flam. Liq. 2; Acute Tox.oral 4; Skin Corr. 1A; Acute Tox. inhal. 3; STOT SE 3 H225; H302; H314; H331; H335	30-50%

For the full text of the H-Statements and classification mentioned in this Section, see Section 16

4: first aid measures

4.1 Description of first-aid measures

General advice

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

If inhaled

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

In case of skin contact

Wash with plenty of soap and water. Consult a physician.

In case of eye contact

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician. **If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOX)

No data available

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further information

No data available

6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

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

Methods and materials for containment and cleaning up

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see Section 13.

7: Handling And Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in cool place. Keep container tightly closed in a dry and well ventilated place.

Recommended Storage Temperature Below 30°C

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8: Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

Ingredients with workplace control parameters

8.2 Exposure controls

Personal protective equipment

Appropriate engineering controls

Handle in accordance to general industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Hygiene measure

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

Eye/face protection

Faceshield and safety goggles

Skin protection

Handle with gloves.

Body Protection

Complete suit protecting against chemicals

Respiratory protection

Air purifying respirators

Control of environmental exposure

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

9: Physical And Chemical Properties

9.1 Information on basic physical and chemical properties

- | | |
|---|-------------------|
| a) Appearance | liquid |
| b) Color | colorless |
| c) Odor threshold | No data available |
| d) pH | No data available |
| Melting/freezing point | No data available |
| e) Initial boiling point and boiling range) | No data available |
| f) Flash point | No data available |
| g) Upper/lower flammability or explosive limits | Not applicable |
| h) Evaporation rate | No data available |
| i) Flammability (solid, Gas) | No data available |
| j) Vapour pressure | No data available |
| k) Relative density | No data available |
| l) Water solubility | No data available |
| m) Partition coefficient: n-octanol/water | No data available |
| n) Autoignition temperature | No data available |

- o) Decomposition temperature No data available
- q) Viscosity No data available
- r) Explosive properties No data available
- s) Oxidizing properties No data available
- t) Vapour density No data available
- u) Thermal decomposition No data available

9.2 Other safety information

No data available

10: Stability And Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Incompatible material

10.5 Incompatible materials

Acid, acid anhydrides, Oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products-refer section 5.2

In the event of fire-refer section 5.

11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information Endocrine

RTECS : PF6300000

12: Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 PBT and vPvB assessment

PBT and vPVB assessment not available Chemical safety assessment is not required

12.6 Other adverse effects

Discharge into the environment must be avoided

13: Disposal Considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustive solvent and burn in chemical incinerator equipped with an afterburner and scrubber.

13.2 Contaminated packaging

Dispose of as unused product.

14: Transport Information

14.1 UN number

ADNR : 1235 ADR : 1235 IATA_C : 1235 IATA_P : 1235 IMDG : 1235 RID : 1235

14.2 UN proper shipping name

ADNR : Methylamine, aqueous solution
ADR : Methylamine, aqueous solution
IATA_C : Methylamine, aqueous solution
IATA_P : Methylamine, aqueous solution
IMDG : Methylamine, aqueous solution
RID : Methylamine, aqueous solution

14.3 Transport hazard class(es)

ADNR : 3 (8) ADR : 3(8) IATA_C : 3(8) IATA_P : 3(8) IMDG : 3(8) RID : 3(8)

14.4 Packaging group

ADNR : II ADR : II IATA_C : II IATA_P : II IMDG : II RID : II

14.5 Environmental hazards

ADNR : No ADR : No IMDG : Marine Pollutant : No IATA_C : No IATA_P : No RID : No

14.6 Special precautions for user

No data available

15: Regulatory Information

This safety datasheet complies with the requirements of Regulation(EC) No. 1907/2006.

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

No data available

15.2 Chemical Safety Assessment

No data available

16: Other Information

Text of H-Statements and EUH-Phrases mentioned in section 3

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H331	Toxic if inhaled
H335	May cause respiratory irritation
Flam. Liq. 2	Flammable liquids, Category 2
Acute Tox.oral 4	Acute toxicity, oral, Category 4
Skin Corr. 1A	Skin corrosion or irritation, Category 1A
Acute Tox. inhal. 3	Acute toxicity, inhaled, Category 3
STOT SE 3	Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3

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. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale.