

CAS No: 124-41-4 MSDS

MATERIAL SAFETY DATA SHEET (MSDS)

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

1.1. Product identifier

Product form : Substance
:
CAS No : 124-41-4
Product code : 05938
Chemical structure : CH_3ONa

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals, Manufacture of substances

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]

Self-Heating Substances H251
and Mixtures, Category 1
Skin corrosion/irritation, H314
Category 1B

Full text of classification categories and H statements : see section 16

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

F; R11
C; R34
R14

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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) :

H251 - Self-heating: may catch fire

H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) :

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

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P403+P235 - Store in a well-ventilated place. Keep cool

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Name : SODIUM METHOXIDE Extra Pure

CAS No : 124-41-4

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

3.2. Mixture

Not applicable

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

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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/injuries : 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 extinguishing media containing water.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Self-heating; may catch fire.
Explosion hazard : May form flammable/explosive vapour-air mixture.

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

General measures : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

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

Do not allow water (or moist air) contact with this material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clear up rapidly by scoop or vacuum.

6.4. Reference to other sections

No additional information available

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 : No naked lights. No smoking. Do not breathe dust/fume/gas/mist/vapours/spray.
Hygiene measures : Wash ... thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : 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.
Storage conditions : Heat sources. Direct sunlight. Keep in fireproof place. Store in dry protected location to prevent any moisture contact.

7.3. Specific end use(s)

No additional information available

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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 respiratory protection |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|------------------------------|
| Physical state | : Solid |
| Colour | : White powder. |
| Odour | : No data available |
| Odour threshold | : No data available |
| pH | : 13 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : > 1490 °C |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : 33 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Flammable solid |
| Vapour pressure | : 67 hPa at 20 °C |
| Relative vapour density at 20 °C | : 1.87 |
| Relative density | : No data available |
| Density | : 0.97 g/cm ³ |
| Solubility | : Water: Decomposed by water |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |

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Oxidising properties : No data available

Explosive limits : 0.073 - 0.36 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates : Corrosive vapours. Reacts violently with water.

10.2. Chemical stability

Flammable solid. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Highly reactive material. Reacts violently with water.

10.4. Conditions to avoid

Open flame. Overheating. Direct sunlight. Heat. Sparks. Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

May release flammable gases. Thermal decomposition generates : Corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 13

Serious eye damage/irritation : Serious eye damage, category 1, implicit
pH: 13

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

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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

Product/Packaging disposal recommendations : Dispose of contents/container to ...

Additional information : Handle empty containers with care because residual vapours are flammable. Do not allow water (or moist air) contact with this material.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 1431
UN-No. (IMDG) : 1431
UN-No.(IATA) : 1431
UN-No.(ADN) : 1431
UN-No. (RID) : 1431

14.2. UN proper shipping name

Proper Shipping Name (ADR) : SODIUM METHYLATE
Proper Shipping Name (IMDG) : SODIUM METHYLATE
Proper Shipping Name (IATA) : SODIUM METHYLATE
Proper Shipping Name (ADN) : SODIUM METHYLATE
Proper Shipping Name (RID) : SODIUM METHYLATE
Transport document description (ADR) : UN 1431 SODIUM METHYLATE, 4.2 (8), II, (D/E)
Transport document description (IMDG) : UN 1431 SODIUM METHYLATE, 4.2 (8), II
Transport document description (IATA) : UN 1431 SODIUM METHYLATE, 4.2, II
Transport document description (ADN) : UN 1431 SODIUM METHYLATE, 4.2 (8), II
Transport document description (RID) : UN 1431 SODIUM METHYLATE, 4.2 (8), II

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14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 4.2 (8)

Danger labels (ADR) : 4.2, 8



IMDG

Transport hazard class(es) (IMDG) : 4.2 (8)

Danger labels (IMDG) : 4.2, 8



IATA

Transport hazard class(es) (IATA) : 4.2 (8)

Hazard labels (IATA) : 4.2, 8



ADN

Transport hazard class(es) (ADN) : 4.2 (8)

Danger labels (ADN) : 4.2, 8



RID

Transport hazard class(es) (RID) : 4.2 (8)

Danger labels (RID) : 4.2, 8



14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

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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) | : SC4 |
| Limited quantities (ADR) | : 0 |
| Excepted quantities (ADR) | : E2 |
| Packing instructions (ADR) | : P410, IBC05 |
| Mixed packing provisions (ADR) | : MP14 |
| Portable tank and bulk container instructions (ADR) | : T3 |
| Portable tank and bulk container special provisions (ADR) | : TP33 |
| Tank code (ADR) | : SGAN |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 2 |
| Special provisions for carriage - Packages (ADR) | : V1 |
| Hazard identification number (Kemler No.) | : 48 |
| Orange plates | :   |
| Tunnel restriction code (ADR) | : D/E |
| EAC code | : 1W |

- Transport by sea

| | |
|---------------------------------|---------|
| Limited quantities (IMDG) | : 0 |
| Excepted quantities (IMDG) | : E2 |
| Packing instructions (IMDG) | : P410 |
| Packing provisions (IMDG) | : PP31 |
| IBC packing instructions (IMDG) | : IBC05 |
| IBC special provisions (IMDG) | : B2 |
| Tank instructions (IMDG) | : T3 |
| Tank special provisions (IMDG) | : TP33 |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-L |
| Stowage category (IMDG) | : B |
| MFAG-No | : 138 |

- Air transport

| | |
|--|-------------|
| PCA Excepted quantities (IATA) | : E2 |
| PCA Limited quantities (IATA) | : Forbidden |
| PCA limited quantity max net quantity (IATA) | : Forbidden |
| PCA packing instructions (IATA) | : 466 |
| PCA max net quantity (IATA) | : 15kg |
| CAO packing instructions (IATA) | : 470 |
| CAO max net quantity (IATA) | : 50kg |
| ERG code (IATA) | : 4C |

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- Inland waterway transport

| | |
|-----------------------------------|----------|
| Classification code (ADN) | : SC4 |
| Limited quantities (ADN) | : 0 |
| Excepted quantities (ADN) | : E2 |
| Equipment required (ADN) | : PP, EP |
| Number of blue cones/lights (ADN) | : 0 |

- Rail transport

| | |
|---|---------------|
| Classification code (RID) | : SC4 |
| Limited quantities (RID) | : 0 |
| Excepted quantities (RID) | : E2 |
| Packing instructions (RID) | : P410, IBC05 |
| Mixed packing provisions (RID) | : MP14 |
| Portable tank and bulk container instructions (RID) | : T3 |
| Portable tank and bulk container special provisions (RID) | : TP33 |
| Tank codes for RID tanks (RID) | : SGAN |
| Transport category (RID) | : 2 |
| Special provisions for carriage – Packages (RID) | : W1 |
| Colis express (express parcels) (RID) | : CE10 |
| Hazard identification number (RID) | : 48 |

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

No REACH Annex XVII restrictions

SODIUM METHOXIDE Extra Pure is not on the REACH Candidate List

SODIUM METHOXIDE Extra Pure is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 2; WGK No 1155)

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

Denmark

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H251;H314>; Emergency management guidelines for the storage of flammable liquids must be followed

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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 R-, H- and EUH-phrases:

| | |
|---------------|--|
| Self-heat. 1 | Self-Heating Substances and Mixtures, Category 1 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| H251 | Self-heating: may catch fire |
| H314 | Causes severe skin burns and eye damage |
| R11 | Highly flammable |
| R14 | Reacts violently with water |
| R34 | Causes burns |
| C | Corrosive |
| F | Highly flammable |

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