



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : S 13317
Product Name : SODIUM METAL

Manufacturer/supplier identification

Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483

Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No : 7440-23-5 Ec-Index No. : 011-001-00-0
Molar Mass : 22.99 EC-No. : 231-132-9
Molecular formula : Na

3. HAZARDS INDEX

Reacts violently with water, liberating extremely flammable gas. Causes burns.

4. FIRST AID MEASURES

After inhalation : Fresh air. Summon doctor.

After skin contact: wash off with plenty of water.

Dab with polyethylene glycol 400. Immediately remove contaminated clothing.

After eye contact : Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately summon eye specialist.

After swallowing : make victim drink plenty of water (if necessary several liters), avoid vomiting (risk of perforation). Immediately summon doctor. Do not attempt to neutralize.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : metal fire powder. Cover with dry sand or cement.

Extinguishing media not to be used: Water, foam

Special risks : Keep away from sources of ignition. Self-ignition possible without protective liquid.



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6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Carefully take up dry. Forward for disposal.

Additional notes : To render harmless: Alcoholates should be formed by adding low alcohols. Neutralize prior to passing into drainage system.

7. HANDLING AND STORAGE

Handling - No further requirements.

Storage - Store under paraffin oil. Tightly closed.

Keep away from sources of ignition and heat. In a well-ventilated place. Dry.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : required when vapours aerosols are generated.

(Protective liquid:)

Eye Protection : required

Hand Protection : required

Other protective equipment: Protective apron.

Industrial hygiene: Immediately change contaminated clothing.

Wash hands and face after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid

Colour : Silver grey

Odour : odourless

pH value : not available

Melting temperature : 98 C

Boiling temperature : 883 C

Ignition temperature : >115 C

Flash Point : Not available

Explosion limits lower : Not available

upper : Not available

Relative vapour density : Not available

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Density (20 C) : 0.97 g/cm

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Solubility in Water (20 C) : (rigorous reaction)

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available



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Substances to be avoided : Water, ammonium compounds, semimetallic halides, metallic oxides, halogens, halogenated hydrocarbons, acids, nonmetallic oxides, organic nitro compounds, alcohols, hydrazine and derivatives, hydroxylamine, halogen-halogen compounds, organic substances, nitrates, nitrosyl compounds, nitril compounds, nonmetallic halides, mercury compound, non-metals, carbon disulphide, non-metallic hydrogen compounds, semimetals, silver compounds, hydrogen peroxide, air, azides, alkali metals.

Hazardous decomposition products :
sodium hydroxide, hydrogen.
Further information: extremely sensitive to moisture.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Quantitative data on the toxicity of this product are not available.
Further toxicological information : Decomposition of the substance with tissue moisture. Effect of the decomposition products.

After skin contact : Burns.
After eye contact : Burns. Risk of blindness
After swallowing : Risk of perforation in the oesophagus and stomach.

12. ECOLOGICAL INFORMATION :

Ecotoxic effects : Quantitative data on the ecological effect of this product are not available.

Further ecologic data : Do not allow to enter waters, waste water, or soil.

13 . DISPOSAL METHOD

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like house-hold waste or recycled.

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.



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14. TRANSPORT INFORMATION :

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class: 4.3 Number and letter: IIa

ADR/RID class : 4.3 Number and letter: IIa

Name of materials: SODIUM METAL

River transport ADN/ADNR : Not examined

Sea transport IMDG : IMDG class : 4.3 UN-No.: 1428 packaging group: I

Ems : 4.3-01 MFAG : 705

Correct technical name: SODIUM METAL

NICE SAFETY DATA SHEET

Air transport ICAO-TI

and IATA-DGR ; ICAO/IATA class: 4.3 UN/ID-No.: 1428 packaging group: I

Correct technical name: SODIUM METAL

15. REGULATORY INFORMATION :

Labelling according to EC Directives

Symbol : F Highly flammable
C Corrosive

R-phrases : 14/15-34 Reacts violently with water, liberating
extremely flammable gas. Causes burns.

S-phrases : 5-8-43-45 Keep contents under paraffin oil. Keep
container dry. In case of fire, use metal
-fire powder. Never use water. In case
of accident or if you feel unwell, seek
medical advice immediately (show the
label where possible).

EC-No. : 231-132-9 EC label

Water pollution class : 2 (polluting substance)

16. OTHER INFORMATION :

Reason for alteration

General update.

The information contained herein is based on the present state of our knowledge.

It characterises the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.