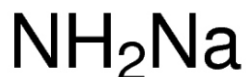


MATERIAL SAFETY DATA SHEET (MSDS)

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

1.1. Product identifier

Product form : Substance
Trade name : Sodamide
EC no : 231-971-0
CAS No : 7782-92-5
Product code : 5752D
Formula : H₂NNa
Chemical structure :



Synonyms : Sodium amide

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

SPAN LAB
UNIT NO. 14, SKY INDUSTRIAL ESTATE, WALIV, VASAI (E)
401208 Mumbai - INDIA
PH: +91 9820509929
info@spanlab.in www.spanlab.in

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Substances and Mixtures H261
which, in contact with
water, emit flammable
gases, Category 2
Skin corrosion/irritation, H314
Category 1
Hazardous to the aquatic H400
environment — Acute
Hazard, Category 1

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

Sodamide

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

F; R14/15

C; R34

N; R50

R19

R29

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

GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : H261 - In contact with water releases flammable gases
H314 - Causes severe skin burns and eye damage
H400 - Very toxic to aquatic life

Precautionary statements (CLP) : P231+P232 - Handle under inert gas. Protect from moisture
P273 - Avoid release to the environment
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

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Name : SODAMIDE Extra Pure

CAS No : 7782-92-5

EC no : 231-971-0

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

3.2. Mixture

Not applicable

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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	: Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages. 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.
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.
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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 (CO ₂).
Unsuitable extinguishing media	: Do not use extinguishing media containing water.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: In contact with water releases flammable gases.
Reactivity in case of fire	: Reacts with water (moisture): release of toxic and corrosive gases/vapours.

5.3. Advice for firefighters

Firefighting instructions	: Do not fight fire when fire reaches explosives.
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	: No naked lights. No smoking. Use special care to avoid static electric charges. Remove ignition sources.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Use personal protective equipment as required.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. 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	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Large spills: scoop solid spill into closing containers.
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6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Keep away from any possible contact with water, because of violent reaction and possible flash fire. Hazardous waste due to potential risk of explosion.
Precautions for safe handling	: Protect from moisture. Handle under inert gas. Do not breathe dust/fume/gas/mist/vapours/spray. Keep away from sources of ignition - No smoking. No naked lights. No smoking.
Hygiene measures	: Wash ... thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Store in a dry place. Protect from moisture. Store in dry protected location to prevent any moisture contact. Keep in fireproof place.
Incompatible products	: Oxidizing agent.
Incompatible materials	: Keep away from any possible contact with water, because of violent reaction and possible flash fire. Heat sources.

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 respiratory protection

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Greyish white powder.
Odour	: ammonia like.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 210 °C
Freezing point	: No data available
Boiling point	: 400 °C

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Flash point	: No data available
Auto-ignition temperature	: 4500 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: In contact with water releases flammable gases which may ignite spontaneously
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: Reacts with water
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: May form explosive peroxides.
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

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

In contact with water releases flammable gases which may ignite spontaneously. Highly reactive material. Reacts violently with water. Reacts vigorously with strong oxidizers and acids. Contact with water liberates toxic gas.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Thermal decomposition generates : Corrosive vapours. May form explosive peroxides.

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

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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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Very toxic to aquatic life.

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 : Do not allow water (or moist air) contact with this material. Hazardous waste due to potential risk of explosion.

SECTION 14: Transport information

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

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14.1. UN number

UN-No. (ADR)	: 1390
UN-No. (IMDG)	: 1390
UN-No.(IATA)	: 1390
UN-No.(ADN)	: 1390
UN-No. (RID)	: 1390

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ALKALI METAL AMIDES
Proper Shipping Name (IMDG)	: ALKALI METAL AMIDE
Proper Shipping Name (IATA)	: ALKALI METAL AMIDES
Proper Shipping Name (ADN)	: ALKALI METAL AMIDES
Proper Shipping Name (RID)	: ALKALI METAL AMIDES
Transport document description (ADR)	: UN 1390 ALKALI METAL AMIDES, 4.3, II, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 1390 ALKALI METAL AMIDE, 4.3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 1390 ALKALI METAL AMIDES, 4.3, II, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	: UN 1390 ALKALI METAL AMIDES, 4.3, II, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	: UN 1390 ALKALI METAL AMIDES, 4.3, II, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 4.3
Danger labels (ADR)	: 4.3



IMDG

Transport hazard class(es) (IMDG)	: 4.3
Danger labels (IMDG)	: 4.3



IATA

Transport hazard class(es) (IATA)	: 4.3
Hazard labels (IATA)	: 4.3



ADN

Transport hazard class(es) (ADN)	: 4.3
Danger labels (ADN)	: 4.3

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RID

Transport hazard class(es) (RID) : 4.3

Danger labels (RID) : 4.3



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 : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : W2

Special provision (ADR) : 182, 505

Limited quantities (ADR) : 500g

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P410, IBC07

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) : 0

Special provisions for carriage - Packages (ADR) : V1

Special provisions for carriage - Loading, unloading and handling (ADR) : CV23

Hazard identification number (Kemler No.) : 423

Orange plates :



Tunnel restriction code (ADR) : D/E

EAC code : 4W

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- Transport by sea

Special provision (IMDG)	: 182
Limited quantities (IMDG)	: 500 g
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P410
Packing provisions (IMDG)	: PP31, PP40
IBC packing instructions (IMDG)	: IBC07
IBC special provisions (IMDG)	: B2
Tank instructions (IMDG)	: T3
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-G
EmS-No. (Spillage)	: S-O
Stowage category (IMDG)	: E
Stowage and handling (IMDG)	: SW2, H1
Segregation (IMDG)	: SG35, SG26
MFAG-No	: 139

- Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y475
PCA limited quantity max net quantity (IATA)	: 5kg
PCA packing instructions (IATA)	: 483
PCA max net quantity (IATA)	: 15kg
CAO packing instructions (IATA)	: 489
CAO max net quantity (IATA)	: 50kg
Special provision (IATA)	: A84
ERG code (IATA)	: 4W

- Inland waterway transport

Classification code (ADN)	: W2
Special provisions (ADN)	: 182, 505
Limited quantities (ADN)	: 500 g
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Provisions for handling and stowage of the cargo (ADN)	: HA08
Number of blue cones/lights (ADN)	: 0

- Rail transport

Classification code (RID)	: W2
Special provision (RID)	: 182, 505
Limited quantities (RID)	: 500g
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P410, IBC07
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)	: 0
Special provisions for carriage – Packages (RID)	: W1

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Special provisions for carriage – Loading and unloading (RID) : CW23
Colis express (express parcels) (RID) : CE10
Hazard identification number (RID) : 423

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
Sodamide is not on the REACH Candidate List
Sodamide is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 2, hazardous to water (Classification according to VwVwS, Annex 2; WGK No 1280)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Denmark

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:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2
H261	In contact with water releases flammable gases
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life
R14/15	Reacts violently with water, liberating extremely flammable gases
R19	May form explosive peroxides

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R29	Contact with water liberates toxic gas
R34	Causes burns
R50	Very toxic to aquatic organisms
C	Corrosive
F	Highly flammable
N	Dangerous for the environment

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