

GHS Safety Data Sheet

SDS No. : NAE01GAEG

Date Issued: 2015/09/24

Section 1. Identification of the substance or mixture and of the supplier

1.1 Product Information

Product name: **Na Sodium**

Product number:	Purity	Form	Size (mm) or Shape
NAE01GB	99%(2N)	lumps	—

1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd

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Section 2. Hazards identification

GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
Skin corrosion/irritation : Category 1 Serious eye damage/eye irritation : Category 1	Hazardous to the aquatic environment,acute hazard: Not classified Hazardous to the aquatic environment,long-term hazard: Not classified	Flammable solids : Not classified Pyrophoric solids : Not classified Self-heating substances and mixtures : Not classified Substances and mixtures which, in contact with water, emit flammable gases : Category 1

GHS Label: F R



Pictograms or symbols

Warning word: **DANGER**

Hazard information	Description of precaution
In contact with water releases flammable gases which may ignite spontaneously. Causes severe skin burns and eye damage. Causes serious eye damage.	Keep away from any possible contact with water, because of violent reaction and possible flash fire. Protect from moisture. Handle under inert gas. Wear protective gloves/protective clothing/eye protection/respiratory protection/face protection during handling. Avoid breathing dust/mist/gas/fume/vapors/spray. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling. Take off the contaminated clothing and wash before reuse. IN CASE OF FIRE: Wear protective gloves/eye protection/face protection. Use 《refer to our SDS》 to extinguish. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Remove immediately all contaminated clothing and rinse skin with water/shower. Then wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Immediately call a POISON CENTER or doctor/physician. Protect from sunlight. Store in a cool, dry and well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/ container in accordance with local/national regulations.

Additional hazard information :

Contact with water liberates flammable gases.

With respect to additional hazard information, see Section 11.

Section 3. Composition / information on ingredients

Chemical or common name:	Sodium
Chemical formula:	Na
Single Substance or Compound:	Single substance
Composition:	100%
CAS #:	7440-23-5
RTECS#:	VY0686000
TSCA inventory:	listed
EINECS:	2311329

Section 4. First aid measures

Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.

Section 5. Fire fighting measures

Extinguishing media:	Dry sand, Perlite ,Metal fire extinguishers. DO NOT use water fog or foam, carbon dioxide
Fire fighting:	Contact with water liberates flammable gases. Remove containers to safe place if possible. Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire.

Section 6. Accidental release measures

Personal Precautions:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its dusts. Avoid unnecessary contacts with spills. DO NOT use water with spills.
Environmental hazard precautions:	Shut off leak if without risk. Prevent flow out to river, etc. so as not to badly affect.
Method for containment and cleaning up:	Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Absorb or cover with vermiculite or other suitable absorbent, and dispose of DOT-approved waste containers as much as possible. Carefully wash spill site with plenty of water after material pick up.

Section 7. Handling and storage

Precautions to be taken in handling:

Safe handling: Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen.
 Avoid prolonged or repeated exposure..
 Handle the material in a dry inert gas atmosphere, utilizing glove bag or glove box.
 Keep away from moisture when handling.
 Keep container or bottle tightly closed when not in use.

Precautions to be taken in storage:

General precautions: Store the material in a sealed container.
 Store in a cool, dry, well ventilated and dark place away from incompatible materials.
 Keep in oil or a dry inert gas.

Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH (2013): No data available
 OSHA (2006): No data available

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent inhalation.
 Handle the material in a dry inert gas atmosphere, utilizing glove bag or glove box.

Protective ware: Wear appropriate NIOSH/MSHA-approved respirator, air-supplied respirator, safety goggles, face shields, protective gloves, protective clothing, apron, including boots.

Section 9. Physical and chemical properties

Color and Form: Silver white solid
 Chemical formula: Na
 Formula weight: 97.81°C
 Melting point: 883°C
 Density: 0.97g/cm³
 Water solubility: Reacts with water, forming sodium hydroxide and hydrogen.
 Flammable: Flammable substance
 Oxidation: None

Section 10. Stability and reactivity

Stability: Stable in a mineral oil under room temperature..
 Reactivity
 Incompatibility: Water,acids,bromine,iodine, sulfur,selenium
 Condition to avoid: Water

Section 11. Toxicological information

Acute toxicity (Oral ,Dermal, inhalation) : GHS : No data available
 Skin corrosive / irritation: GHS : Category 1; Causes severe skin burns and eye damage.
 Serious eyes damage / eye irritation: GHS : Category 1; Causes serious eye damage.

Respiratory sensitization:	GHS : No data available
Skin sensitization:	GHS : No data available
Germ cell mutagenicity:	GHS : No data available
Carcinogenicity:	GHS : No data available
Reproductive toxicity:	GHS : No data available
Specific target organ toxicity —single exposure:	GHS : No data available
Specific target organ toxicity —repeated exposure:	GHS : No data available
Aspiration hazard:	GHS : No data available

Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic environment

—acute toxicity: GHS : Not classified.; Falls below the lowest level.
Crustacea (daphnia magna) 48 hours
EC50=1640000 μ g/L (AQUIRE, 2003)

—chronic toxicity: GHS : Not classified.; Falls below the lowest level.

Hazardous the ozone layer: GHS : No data available

No Freon or Halon

Fish toxicity: Refer to the above.

Degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Section 13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN number:	1428
IATA shipping name:	SODIUM
IATA classification:	Hazardous Class 4.3 Substances which in contact with water emit flammable gases
IATA packing group:	I
HS code:	2805.11
Marine pollution:	None

Section 15. Regulatory information

TSCA inventory : listed.

Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.