

## Material Safety Data Sheet

Version 4.4  
Revision Date 12/25/2012  
Print Date 04/18/2013

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sodium

Product Number : 483745  
Brand : Aldrich

Supplier : Sigma-Aldrich  
3050 Spruce Street  
SAINT LOUIS MO 63103  
USA

Telephone : +1 800-325-5832  
Fax : +1 800-325-5052  
Emergency Phone # (For both supplier and manufacturer) : (314) 776-6555

Preparation Information : Sigma-Aldrich Corporation  
Product Safety - Americas Region  
1-800-521-8956

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

##### OSHA Hazards

Water Reactive, Corrosive, Possible carcinogen.

##### GHS Classification

Substances, which in contact with water, emit flammable gases (Category 1)

Skin corrosion (Category 1B)

Serious eye damage (Category 1)

6804(H57)-8.1662-1572(P)-3.8842(m)-8.475(g)-4.6808.83272(i)-0.169134(n)-1604(g)-62.029577(a)-0.0.152956(l)-8-26.44633333 0 0 cm

**Chronic Health Hazard:** \*  
**Flammability:** 4  
**Physical hazards:** 2

**NFPA Rating**

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**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). Do not flush with water.



**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.  
Other decomposition products - no data available

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**11. TOXICOLOGICAL INFORMATION****Acute toxicity****Oral LD50**

no data available

**Inhalation LC50**

no data available

**Dermal LD50**

no data available

**Other information on acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

Eyes: no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

IARC: ~~No data available~~ Not classified (IARC 2012) (a)4.14675(.).4.16132(e)1852.83 47%56(e)4.153 O)-4.1

**Signs and Symptoms of Exposure**

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Aspiration may lead to:, lipid pneumonia, Effects due to ingestion may include:, laxative effect, Gastrointestinal disturbance, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects**

no data available

**Additional Information**

RTECS: Not available

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**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

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**13. DISPOSAL CONSIDERATIONS****Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

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**14. TRANSPORT INFORMATION****DOT (US)**

UN number: 1428 Class: 4.3 Packing group: I  
Proper shipping name: Sodium  
Reportable Quantity (RQ): 10 lbs  
Marine Pollutant: No  
Poison Inhalation Hazard: No

**IMDG**

UN number: 1428 Class: 4.3 Packing group: I EMS-No: F-G, S-N  
Proper shipping name: SODIUM  
Marine Pollutant: No

**IATA**

UN number: 1428 Class: 4.3 Packing group: I  
Proper shipping name: Sodium  
IATA Passenger: Not permitted for transport

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**15. REGULATORY INFORMATION**

