

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

**1.1 Product identifier**

Product name SODIUM HYDROXIDE 0.1 N  
CAS-No. 1310-73-2  
Product code GN1173

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

Identified uses Chemical for analysis and production.

**1.3 Details of the supplier of the safety data sheet**

Company RCI LABSCAN LIMITED.  
24 Rama 1 Road, Pathumwan, Bangkok 10330 Thailand  
Telephone number (662) 613-7911-4  
Fax number (662) 613-7915

**1.4 Emergency Telephone Number**

Emergency phone (662) 613-7911-4

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

This substance is not hazardous according to Regulation (EC) No. 1272/2008 and Directive 67/548/EEC.

**2.2 Label elements**

**Labelling according Regulation (EC) No 1272/2008**

This substance is not need to be labelled in according to Regulation (EC) No. 1272/2008.

**2.3 Other hazards**

None

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixture**

**Sodium hydroxide**

Synonyms -

CAS-No	EC-No	EC-Index-No	Formula	Molecular Weight	Weight %
1310-73-2	215-185-5	011-002-00-6	NaOH	40.00 g/mol	0.3 - 0.4

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

Component	Concentration	Classification
<b>Sodium hydroxide</b>		
CAS-No 1310-73-2 EC-No 215-185-5 EC-Index-No 011-002-00-6	0.3 - 0.4%	Corrosive to metals (Category 1), H290 Skin corrosion (Category 1A), H314

For the full text of the H-Statements mentioned in this Section, see Section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Move to fresh air in case of accidental inhalation of dust. Keep patient warm. In case of shortness of breath, give oxygen. Apply artificial respiration only if patient is not breathing or under medical supervision. No artificial aspiration mouth to mouth or mouth to nose. Use suitable instruments/apparatus.
Skin contact	Remove contaminated clothing and wash affected skin with soap and water. Obtain medical attention.
Eye contact	If the substance has got into the eyes, immediately wash out with plenty of water at least 15 minutes. Obtain medical attention.
Ingestion	Rinse mouth. After swallowing make victim drink water (two glasses at the most), call in physician. Do not attempt to neutralize.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2.2 and section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

Not Available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

In adaption to materials stored in the immediate neighborhood.

### 5.2 Special hazards arising from the substance or mixture

Non-combustible. Ambient fire may liberate hazardous vapors. The following may develop in event of fire: sodium oxides.

### 5.3 Advice for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

### 5.4 Further information

Contain escaping vapors with water. Prevent fire-fighting water from entering surface water or ground water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Do not breathe vapors or spray mist. Wear a positive-pressure supplied-air respirator, flame retardant antistatic protective clothing. Shut off leaks if without risk. Keep people away from and upwind of spill/leak.

### 6.2 Environmental precautions

Contain or absorb leaking liquid with sand or earth, consults an expert. Prevent liquid entering sewers, basements and workpits. If substance has entered a water course or sewer or contaminated soil, advise police.

### 6.3 Methods and materials for containment and cleaning up

Spillage : soak up with inert absorbent material (e.g. sand, silica gel). Prevent liquid entering sewers, basements and workpits. Transfer to covered drums. Dispose of promptly.

#### 6.4 Reference to other sections

For disposal see **Section 13**.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Provision of good ventilation in working area. The floor must be alkaline resistant. Do not leave container open. Avoid spillage. Do not transport together with incompatible substances.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry, cool and well-ventilated place. Keep out of direct sunlight and away from heat, water and incompatible materials. Requirements for containers, no aluminium, tin, zinc containers.

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

#### 8.2 Exposure controls

##### Appropriate engineering controls

The product should only be used in ventilation hoods and fans.

##### Individual protection measures (Personal protective equipment, PPE)

##### Eye/face protection

Goggles giving complete protection to eyes.

##### Skin protection

Chemical resistant apron / corrosive protective clothing, heavy duty work shoes.

Handle with gloves

- Full contact wears gloves from nitrile rubber material.
- Splash contact wears gloves from nitrile rubber material.

The select protective gloves have to satisfy the specifications of EU Directive 89/686 EEC and standard EN 374 derived from it.

##### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Required when vapor/aerosols are generated filter P2 (EN 141 or EN 14387).

##### Environmental exposure controls

Prevent liquid entering sewers, basements and workpits.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance: Form	Liquid
: Color	Colorless
Odour	Odorless
Odour Threshold	Not Available
pH	~12.7 at 20°C
Melting point/range	Not Available
Boiling point/range	Not Available
Flash point	Not Available



**Respiratory or skin sensitization**

Not Available

**Germ cell mutagenicity**

Not Available

**Carcinogenicity**

Not Available

**Reproductive toxicity**

Not Available

**Teratogenicity**

Not Available

**Specific target organ toxicity (STOT) - single exposure**

Not Available

**Specific target organ toxicity (STOT) - repeated exposure**

Not Available

**Aspiration hazard**

Not Available

**Further information**

The product should be handled with the care usual when dealing with chemicals.

## SECTION 12: Ecological information

**Mixture****12.1 Toxicity**

Not Available

**12.2 Persistence and degradability**

Biodegradability Not Available

**12.3 Bioaccumulative potential**

Partition coefficient (n-octanol/water) Not Available

**12.4 Mobility in soil**

Not Available

**12.5 Other adverse effects**

Toxic effect on fish and plankton. Harmful effect due to pH shift. Neutralization possible in waste water treatment plants.

Do not allow to enter waters, waste water or soil.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods****Product**

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding law and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste or burn in a chemical

incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

#### Contaminated packaging

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

## SECTION 14: Transport information

#### Land Transport (ADR/RID)

UN Number	1824
UN proper shipping name	SODIUM HYDROXIDE, SOLUTION
Transport hazard class(es)	8
Packing group	III
Environmental hazards	No
Special precautions for user	Yes

#### Sea transport (IMDG)

UN Number	1824
UN proper shipping name	SODIUM HYDROXIDE, SOLUTION
Transport hazard class(es)	8
Packing group	III
Marine pollutant	No
Special precautions for user	Yes
EmS	F-A S-B

#### Air transport (IATA)

UN Number	1824
UN proper shipping name	SODIUM HYDROXIDE, SOLUTION
Transport hazard class(es)	8
Packing group	III
Environmental hazards	No
Special precautions for user	No

#### River transport (AND/ADNR)

(Not examined)

## SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not Available

#### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

## SECTION 16: Other information

#### Full text of H-Statements referred to under sections 2 and 3

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

**Recommended restrictions**

Take notice of labels and safety data sheets for the working.

**Reference**

Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Labelling according to EC Directives 67/548 EEC and Regulation (EC) No 1272/2008.

Transportation information according to Recommendations on the Transport of Dangerous Goods, Model Regulations. Twelfth revised edition. United Nations.

Institute for Occupational Safety and Health of the German Social Accident Insurance in Sankt Augustin/Germany,

Source: IFA for Databases on hazardous substances (GESTIS).

**Further information**

Contact to RCI Labscan Limited.

**Revision Date**

01/10/2021

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