

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME 1% SODIUM HYDROXIDE

PRODUCT CODE 69152x

|                 |                      |           |                      |
|-----------------|----------------------|-----------|----------------------|
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## 2. HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Skin Irritation (Category 2) H315  
Serious Eye Irritation (Category 2A) H319

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

WARNING



Hazard statement(s)

H315 Causes skin irritation  
H319 Causes serious eye irritation

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection  
P302+352 IF ON SKIN: wash with plenty of soap and water  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Name             | EC #      | CAS #     | Content | Classification        |
|------------------|-----------|-----------|---------|-----------------------|
| SODIUM HYDROXIDE | 215-185-5 | 1310-73-2 | 0-1 %   | Skin Corr. 1A<br>H314 |

## 4. FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get prompt medical attention.

## INGESTION

Do not induce vomiting. Rinse mouth with water. Never make an unconscious person vomit or drink fluids. Get medical attention immediately.

## SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. Seek medical attention.

## EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention.

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## **5. FIRE-FIGHTING MEASURES**

### EXTINGUISHING MEDIA

Use: Water spray, Alcohol-resistant foam, Dry chemicals, or Carbon dioxide.

### PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

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## **6. ACCIDENTAL RELEASE MEASURES**

### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid breathing vapours or aerosols. Ensure adequate ventilation.

### ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

### SPILL CLEAN-UP METHODS

Provide ventilation and confine spill. Do not allow runoff to sewer. Inform Authorities if large amounts are involved. Absorb with vermiculite, dry sand or earth. Shovel up residue and collect for authorised disposal (see section 13). Flush area with plenty of water.

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## **7. HANDLING & STORAGE**

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Provide adequate exhaust function where vapours or aerosols are raised.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

### STORAGE CLASS

Chemical storage.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Name             | Std        | 8h TWA |  | STEL |                     |
|------------------|------------|--------|--|------|---------------------|
| SODIUM HYDROXIDE | WEL (skin) |        |  |      | 2 mg/m <sup>3</sup> |

*WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.*

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### PROTECTIVE EQUIPMENT



### HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved, tight-fitting safety glasses where vapours or mist is probable.

### RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where high vapour levels are likely.

### OTHER PROTECTION

Provide eyewash station.

### HYGIENE MEASURES

**DO NOT SMOKE IN WORK AREA!** Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                            |                   |
|----------------------------|-------------------|
| APPEARANCE                 | Colourless liquid |
| ODOUR                      | None              |
| SOLUBILITY / MISCIBLE WITH | Water             |
| SPECIFIC GRAVITY           | ~ 1.01            |

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### INCOMPATIBLE MATERIALS

Strong oxidisers

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## 11. TOXICOLOGICAL INFORMATION

### INHALATION

May be harmful if inhaled. May cause respiratory irritation.

### INGESTION

May be harmful if swallowed.

### SKIN CONTACT

May be harmful if absorbed through skin. Causes skin irritation.

### EYE CONTACT

Causes serious eye irritation.

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## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

None recorded. Release to the environment should be avoided.

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## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

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## 14. TRANSPORT INFORMATION

|                  | UN #   | Class | Packing | Proper shipping name |
|------------------|--|-------|---------|----------------------|
| <u>RID / ADR</u> | <i>Not regarded as hazardous for transport</i> |       |         |                      |
| <u>IATA</u>      |  |       |         |                      |
| <u>IMDG</u>      |  |       |         |                      |

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## 15. REGULATORY INFORMATION

### STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.

Workplace Exposure Limits EH40/2011.

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## 16. OTHER INFORMATION

### GENERAL INFORMATION

This safety data sheet covers all codes for this product.

### REVISION INFORMATION

|                             |                          |
|-----------------------------|--------------------------|
| Revision No.                | 05                       |
| Revision Date               | 10/2015                  |
| Comments                    | CHIP regulations removed |
| Replaces Document Generated | 05/2013                  |

HAZARD STATEMENTS IN FULL

|      |   |
|------|---|
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation                  |
| H319 | Causes serious eye irritation           |