

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME POTASSIUM HYDROXIDE 30%

PRODUCT CODE 69140x

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2. HAZARDS IDENTIFICATION

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

Acute Toxicity, Oral (Category 4) H302
Skin Corrosion (Category 1A) H314

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

DANGER



Hazard statement(s)

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+361+353 IF ON SKIN (or hair): Remove / take off immediately all contaminated clothing. Rinse SKIN with water/shower
P305+351+338 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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
POTASSIUM HYDROXIDE	215-181-3	1310-58-3	20-50%	Acute Tox. 4, Skin Corr. 1A H302 H314

4. FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

Do not induce vomiting. Never make an unconscious person vomit or drink fluids. Get medical attention immediately. Show the label or this document to the physician.

SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. If symptoms occur 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 if any discomfort continues.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Alcohol-resistant foam. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel from the affected area.

ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop leak 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.

7. HANDLING & STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. May attack some plastics, rubber and coatings.

STORAGE CLASS

Chemicals storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

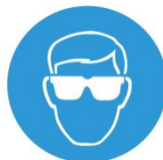
Name	Std	8h TWA		STEL	
POTASSIUM HYDROXIDE	WEL				2 mg/m ³

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

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation. Provide explosion-proof ventilation for high concentrations.

PROTECTIVE EQUIPMENT



HAND PROTECTION

Use protective gloves made of: Butyl rubber (immersion protection) or Nitrile rubber (splash protection). 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 splashing 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; Ethanol; Ether; Benzene; Organic solvents

SPECIFIC GRAVITY

1.29 @ 20 °C

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Extremes of temperature, direct sunlight.

INCOMPATIBLE MATERIALS

Water, Light metals, Alkali metals, Metals, Organic materials, Copper. Reacts violently with Halogens, Nitro compounds, Magnesium, Azides. Contact with aluminum, tin and zinc liberates hydrogen gas. Contact with nitromethane and other similar nitro compounds causes formation of shock-sensitive salts.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO₂) are formed.

11. TOXICOLOGICAL INFORMATION

INHALATION

May be harmful by inhalation. May cause damage to mucous membranes of upper respiratory tract.

INGESTION

Harmful if swallowed.

SKIN CONTACT

Causes severe skin burns. May be harmful by absorption through the skin.

EYE CONTACT

Causes severe eye burns.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment. However, release to the environment should be avoided.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

CONTINUED OVERLEAF

14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	1814	8	II	Potassium Hydroxide Solution
<u>IATA</u>	1814	8	II	Potassium Hydroxide Solution
<u>IMDG</u>	1814	8	II	Potassium Hydroxide Solution

SIGNAGE



ENVIRONMENTAL HAZARDS

RID / ADR	No
IATA	No
IMDG	No

15. REGULATORY INFORMATION

STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.
 Workplace Exposure Limits EH40/2011.

16. OTHER INFORMATION

GENERAL INFORMATION

This safety data sheet covers all codes for this product.

REVISION INFORMATION

Revision No.	03
Revision Date	10/2015
Comments	CHIP regulations removed
Replaces Document Generated	09/2013

HAZARD STATEMENTS IN FULL

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage