

Safety Data Sheet



UAB Saflora safety data sheet according to Regulation (EC) No. 1907/2006. 1907/2006 as amended from time to time.

Reviewed: 2024-08-01

Version: 1.0 EN

Product: sodium hydroxide

2024-08-01

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

1.1. Product identifier

Product name: sodium hydroxide

Product code: 1069

1.2. Relevant identified uses of the substance or mixture and uses recommended

Relevant identified uses: cosmetic ingredients

Uses advised against: product not intended for direct consumer use. This product can not be used directly in this form or concentration. Product for industrial use only.

1.3. Details of the supplier of the safety data sheet

Company: UAB Saflora

Legal address: Naugarduko g. 102, LT03160, Vilnius, Lithuania

Tel.: +37062959500

E-mail: info@sapolita.lt

1.4. Emergency telephone number

Poisoning and drug information center: : +37052362052 and +37068753378

Emergency number: 112

Supplier: : +37062959500

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 [CLP]

Skin corrosion / irritation

Category: 1

Eye irritation

Category: 1

2.2. Label elements

Symbols



GHS05

Signal word: Danger

Hazard statements:

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

Precautionary statements:

P234: Keep only in original container.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements due to reaction:

P390: Absorb spillage to prevent material damage.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P352: IF ON SKIN: Wash with plenty of water with soap.

P310: Immediately call a POISON CENTER or doctor/physician.

P312: Call a POISON CENTER or

P322: Rinse mouth.

P363: Wash contaminated clothing before reuse.

P330: Rinse mouth.

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements storage:

P405: Store locked up.

P406: Store in corrosive resistant container with a resistant inner liner.

Precautionary statement disposal:

P501: - Dispose of contents/container to comply with local, state and international regulations.

2.3. Other hazards

No specific hazards known if stored and handled as prescribed / indicated.

SECTION 3: Composition/information on ingredients

Name: sodium hydroxide

INCI name: sodium hydroxide

CAS number: 1310-73-2

EINECS number: 215-185-5

Molar mass: 39,997 g/mol

Active substance concentration: min 99%

Composition / formula: NaOH

SECTION 4: First aid measures

4.1. Description of first aid measures

Seek medical attention if adverse health effects occur.

In case of Inhalation:

Remove person to fresh air and keep comfortable for breathing.

In case of skin contact:

After contact with skin, wash immediately with plenty of water.

In case of eyes contact:

Rinse immediately with plenty of running water (10 minutes) and seek medical advice if necessary.

In case of Ingestion:

Rinse mouth, consult a medical professional.

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

Intensive use and proper handling are not expected to pose a risk.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

CO₂ or Dry chemical fire extinguisher, foam.

5.2. Special hazards arising from the substance or mixture

Do not inhale combustion gases. Burning produces heavy smoke.

5.3. Advice for firefighters

In case of fire do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Take precautionary measures against static discharges. Avoid all possible sources of ignition: heat, sparks, open flame.

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals.

Respiratory protection recommended. Filter type P2.

7.2. Conditions for safe storage, including any incompatibilities

Suitable materials for containers: polyethylene, polypropylene, glass, PET.

Storage stability: protect from moisture and air, keep tightly closed!

Storage temperature: 12-25 °C

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Derived No Effect Level (DNEL):

Consumer DNEL, longterm, systemic effects, inhalation: 1 mg/m³

Predicted No Effect Concentration (PNEC): None in particular

8.2. Exposure controls

Eye/face protection: wear approved safety goggles with built in frame tested to EN166.

Skin protection: Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC.

Respiratory protection: should not be necessary with adequate ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Forma: solid

Odor: odorless

Color: white

Density g/cm³: 2,13

Melting point °C: 317-319

Boiling point °C: 1390

pH: 13,4 (1% aq)

Solubility: soluble in water 418 g/L, EtOH 139 g/L

9.1. Other information

None in particular

SECTION 10: Stability and reactivity

10.1. Reactivity

Exothermic reaction with water, especially intense with acids. It's a reactive substance.
Substance or mixture corrosive to metals.

10.2. Chemical stability

Hygroscopic material. Sensitive to atmospheric CO₂, solutions should not be stored for a long time, especially in glass containers.

10.3. Possibility of hazardous reactions

None under normal conditions

10.4. Conditions to avoid

easily reacts with various substances, including acids, esters, some ketones.

10.5. Incompatible materials

Concentrated acids, alkalis and oxidising agents.

10.6. Hazardous decomposition products

This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes and smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

Ingestion causes severe burns to the mouth and throat, as well as esophagus and risk of gastric perforation.

LD50 (rat, oral) mg/kg: 340

Skin corrosion/irritation:

LD50 (rabbit, in skin) mg/kg: 1350

Harmful in contact with skin.

Causes severe skin burns and eye damage.

Causes serious eye damage.

Respiratory or skin sensitisation:

May cause damage to the respiratory tract, burns mucous membranes.

Germ cell mutagenicity:

The chemical structure does not suggest such an effect.

Carcinogenicity:

The chemical structure does not suggest such an effect.

Reproductive toxicity:

The chemical structure does not suggest such an effect.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

The information provided on the product does not indicate any specific target organ toxicity in case of repeated interactions.

Other toxicological information:

Product not tested. Toxicity reports were based on the properties of the individual components.

SECTION 12: Ecological information

12.1. Toxicity

The assessment of the aquatic toxicity of the product has not been performed. Toxicity has been reported based on the properties of the individual components.

Toxicity to fish	LC50 <180 mg/l, fish (ECHA) 96 h (acute)
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Toxicity to daphnia and other aquatic invertebrates	EC50 40.4 mg/l, aquatic invertebrates (ECHA) 48 h (acute)
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Toxicity to microorganisms	EC50 22 mg/l, microorganisms (ECHA) 15 min (chronic)
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12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The product does not contain any substance meeting the criteria for PBT (persistent / bioaccumulative / toxic) or vPvB (very persistent / very bioaccumulative).

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Must be handled in accordance with local regulations.

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN: 1823

14.2. UN proper shipping name

ADR/RID/ADN: SODIUM HYDROXIDE, SOLID

14.3. Transport hazard class(es)

ADR/RID/ADN: 8

14.4. Packing Group

II Classification code: C6 Labels: 8

14.5. Environmental hazards

Not applicable.

14.6. Special Precautions for User

No.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not evaluated.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulation/legislation specific for the substance or mixture

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC)

15.2. Chemical Safety Assessment

Advice on handling is provided in sections 7 and 8 of this safety data sheet.

SECTION 16: Other information

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular
This SDS has been compiled and is solely intended for this product.

UAB Saflora cannot however accept liability for any loss, injury and/or damage that results from use or misuse of the information herein.