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

1.1. Product identifier

Product name	**Sodium hydroxide 30%**
Synonyms	Caustic soda solution, soda lye

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

Identified uses	Industrial use as a basic chemical. pH adjustment and neutralisation in water treatment and process water. Raw material for the manufacture of cleaning agents.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier	**Stand-Chem Kft.**
Address	Árpád Fejedelem útja 39., 1023 Budapest, Hungary
Telephone	+36 1 412 13 23
E-mail address of the person responsible for the SDS	to be supplied
Website	standchem.hu

1.4. Emergency telephone number

Health Toxicology Information Service (ETTSZ)	+36 80 201 199, +36 1 476 6464 (available 24 hours)
Supplier (office hours)	+36 1 412 13 23 (Monday to Friday, 8:00–16:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Met. Corr. 1, H290: May be corrosive to metals.

Skin Corr. 1A, H314: Causes severe skin burns and eye damage.

2.2. Label elements

Hazard pictograms



Signal word	**Danger**
Hazard statements	**H290** May be corrosive to metals. **H314** Causes severe skin burns and eye damage.
Precautionary statements	**P260** Do not breathe mist/vapours/spray. **P280** Wear protective gloves/protective clothing/eye protection/face protection. **P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. **P305+P351+P338** 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 CENTRE/doctor.
Contains	Sodium hydroxide (CAS 1310-73-2)

2.3. Other hazards

The mixture does not contain substances assessed as PBT or vPvB, or as having endocrine disrupting properties, at 0.1 % or above.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Component	Identifiers	Concentration	Classification (CLP)
Sodium hydroxide	CAS: 1310-73-2 EC: 215-185-5 Index: 011-002-00-6 REACH: 01-2119457892-27-XXXX	30 % (m/m)	Met. Corr. 1, H290 Skin Corr. 1A, H314
Water	CAS: 7732-18-5 EC: 231-791-2	70 % (m/m)	

Specific concentration limits
Sodium hydroxide: Skin Corr. 1A, H314: C ≥ 5 %
Sodium hydroxide: Skin Corr. 1B, H314: 2 % ≤ C < 5 %
Sodium hydroxide: Skin Irrit. 2, H315: 0.5 % ≤ C < 2 %
Sodium hydroxide: Eye Irrit. 2, H319: 0.5 % ≤ C < 2 %

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Move the person to fresh air. Seek medical advice if symptoms persist.

Skin contact: Take off contaminated clothing immediately. Rinse skin with plenty of water.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes, holding the eyelids open. Call a doctor immediately.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a doctor immediately.

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

Burning pain, redness and blistering of the skin; severe eye damage with risk of blindness; if swallowed, burns of the mouth, throat and oesophagus.

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

Treat symptomatically. Show this safety data sheet to the doctor.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate to the surrounding fire.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

The product is not combustible.

In contact with aluminium, zinc and tin, flammable hydrogen gas may be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and chemical protective clothing.

Cool endangered containers with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment (see section 8). Avoid contact with skin and eyes.

Keep unprotected persons away.

6.2. Environmental precautions

Do not allow to enter drains, surface water or groundwater.

6.3. Methods and material for containment and cleaning up

Contain the spill. Absorb with inert material (sand, diatomaceous earth) and dispose of in suitable closed containers. Neutralise residues with dilute acid and rinse with plenty of water.

6.4. Reference to other sections

For personal protection see section 8; for disposal see section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use personal protective equipment. Avoid splashes and the formation of mist.

When diluting, always add the product slowly to water, never water to the product.

Do not eat, drink or smoke at work. Wash hands after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, well-ventilated place.

Store away from acids.

Do not store in containers made of aluminium, zinc or tin. Suitable materials: steel, polyethylene.

7.3. Specific end use(s)

See the identified uses in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits (Hungary)

Substance	Limit	Value	Source
Sodium hydroxide (CAS 1310-73-2)	8-hour limit value (ÁK)	1 mg/m^3	5/2020. (II. 6.) ITM rendelet
Sodium hydroxide (CAS 1310-73-2)	Short-term limit value (CK)	2 mg/m^3	5/2020. (II. 6.) ITM rendelet

DNEL and PNEC values are not listed in this sample.

8.2. Exposure controls

Appropriate engineering controls	Ensure adequate ventilation. Provide an eye-wash station and emergency shower near the workplace.
Eye/face protection	Tightly fitting safety goggles and a face shield (EN 166).
Skin protection	Protective gloves of nitrile or chloroprene rubber (EN ISO 374). Check the breakthrough time with the glove supplier. Alkali-resistant protective clothing and boots.
Respiratory protection	Not normally required. If mist forms, use a particle filter of type P2 or better.
Environmental exposure controls	Do not allow undiluted product to enter drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	Odourless
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	≈ 115 °C (1013 hPa)
Flammability	Not flammable
Lower and upper explosion limit	Not applicable (the product is not flammable)
Flash point	Not applicable (inorganic aqueous solution)
Auto-ignition temperature	Not applicable (the product is not flammable)
Decomposition temperature	No data available
pH	> 14 (20 °C)
Kinematic viscosity	No data available
Solubility	Completely miscible with water
Partition coefficient n-octanol/water (log value)	Not applicable (inorganic aqueous solution)
Vapour pressure	No data available
Density and/or relative density	≈ 1.33 g/cm^3 (20 °C)
Relative vapour density	No data available

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Particle characteristics	Not applicable (the product is a liquid)

9.2. Other information
No further relevant information.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reacts with aluminium, zinc and tin, releasing hydrogen.

10.2. Chemical stability
Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions
Reacts violently with acids, with strong heat generation.

10.4. Conditions to avoid
None known under normal conditions.

10.5. Incompatible materials
Acids, aluminium, zinc, tin and their alloys, organic halogen compounds.

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity: based on available data, the classification criteria are not met.
Skin corrosion/irritation: causes severe skin burns (Skin Corr. 1A).
Serious eye damage/eye irritation: causes serious eye damage.
Sensitisation, germ cell mutagenicity, carcinogenicity, reproductive toxicity, STOT and aspiration hazard: based on available data, the classification criteria are not met.

11.2. Information on other hazards
The mixture does not contain substances with endocrine disrupting properties at 0.1 % or above.

SECTION 12: Ecological information

12.1. Toxicity
Harmful effect on aquatic organisms due to the shift in pH. Not classified as hazardous to the aquatic environment.

12.2. Persistence and degradability
Methods for determining biodegradability do not apply to inorganic substances.

12.3. Bioaccumulative potential
Does not bioaccumulate.

12.4. Mobility in soil
Highly mobile in soil and water because of its solubility.

12.5. Results of PBT and vPvB assessment
The mixture does not contain substances assessed as PBT or vPvB, or as having endocrine disrupting properties, at 0.1 % or above.

12.6. Endocrine disrupting properties
No endocrine disrupting properties known.

12.7. Other adverse effects
Neutralise before discharge to a waste water treatment plant.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product	Dispose of through a licensed waste management contractor in accordance with local regulations. Suggested waste code: 06 02 04* (sodium and potassium hydroxide).

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Packaging	Empty containers completely and rinse with water. Contaminated packaging must be treated like the product.

SECTION 14: Transport information

14.1. UN number or ID number

ADR/RID/ADN, IMDG, ICAO/IATA	**UN1824**

14.2. UN proper shipping name

ADR/RID/ADN, IMDG, ICAO/IATA	SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

Class	8
Classification code	C5
Labels	8

14.4. Packing group

ADR/RID/ADN, IMDG, ICAO/IATA	II

14.5. Environmental hazards

Not environmentally hazardous according to the dangerous goods regulations.

14.6. Special precautions for user

Hazard identification number	80
Tunnel restriction code	(E)

See sections 7 and 8.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable; the product is not intended for bulk carriage by sea.

SECTION 15: Regulatory information

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

EU legislation	Regulation (EC) No 1907/2006 (REACH). Regulation (EC) No 1272/2008 (CLP).
National legislation (Hungary)	Act XXV of 2000 on chemical safety. EüM Decree 44/2000 (XII. 27.) on detailed rules for hazardous substances and mixtures. ITM Decree 5/2020 (II. 6.) on the protection of workers from chemical agents. Act CLXXXV of 2012 on waste.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Revision	First edition of this sheet.
Abbreviations	ADR: European agreement on the international carriage of dangerous goods by road; CAS: Chemical Abstracts Service; CLP: Regulation (EC) No 1272/2008; DNEL: derived no-effect level; PNEC: predicted no-effect concentration; PBT: persistent, bioaccumulative and toxic; vPvB: very persistent and very bioaccumulative; UFI: unique formula identifier.
Sources	Illustrative placeholder text compiled for this sample. Not taken from approved sources.
Classification method	Classification of the mixture based on the concentration of its components (calculation method, Article 9 of Regulation (EC) No 1272/2008).
Full text of the hazard statements in sections 2 and 3	**H290** May be corrosive to metals. **H314** Causes severe skin burns and eye damage. **H315** Causes skin irritation. **H319** Causes serious eye irritation.
Training	Workers handling the product must be trained in its hazards and in the use of personal protective equipment.
Notice	**This is a technical sample generated by a test system. All chemical content is illustrative placeholder text and has not been reviewed or approved by Stand-Chem Kft. It must not be used as a safety data sheet.**

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