



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade Name	Sodium Hydroxide 48%
Product SDS Code/No	643059
EC No	215-185-5
CAS No	1310-73-2

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant Identified Uses	Used in chemical processes in industrial and professional applications.
Uses Advised Against	Not available

1.3 Details of the Supplier of the Safety Data Sheet

1.3.1 Manufacturer

Manufacturer Name	Söz Kimyevi Mad. Gıda Tur. Tic. Ltd. Şti.
Address	Atatürk Cad. Aktepe San. Sitesi Sarmaşık Sok.N:10 Tuzla – İSTANBUL
Telephone Number	+90 216 304 13 33 - 34 pbx
Fax	+90 216 304 15 35
E-mail	ismailozdal@sozkimya.com

1.4 Emergency Telephone Number

Emergency First Aid Centre	112
Company Emergency	+90 216 304 13 33 - 34 pbx (Working hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

2.1.1 Classification According to Regulation (EC) No 1272/2008 (CLP)

- Met. Corr. 1, H290
- Skin Corr. 1A, H314
- Eye Dam. 1, H318

2.1.2 Additional Information

For full text of Hazard- and EU Hazard-statements: see Section 16

2.2 Label Elements

2.2.1. Labelling According to Regulation (EC) No 1272/2008 [CLP]

Product ID	The component that determines the hazard for the label
	· Sodium Hydroxide (CAS No: 1310-73-2)

Hazard Pictograms



GHS05

Signal Word



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

- DANGER	
Hazard Statements	
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
Precautionary Statements	
General	
-	
Precaution	
P260	Do not breathe dust/fume/gas/mist/ vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Intervention	
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Storage	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations .
Supplemental Hazard Information (EU)	
-	

2.3 Other Hazards

This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII. The substance is not included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties. The substance is not considered to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

SUBSTANCE NAME	EC/EINECS NO.	CAS NO.	WEIGHT % CONTENT (OR RANGE)	CLASSIFICATION (CLP)
Sodium Hydroxide	215-185-5	1310-73-2	48	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318

SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

3.2.1 Notes:

Synonyms:

Sodium hydroxide caustic soda

Specific concentration limits:

$C \geq 5.0 \%$; Skin Corr. 1A

$2.0 \% \leq C < 5.0 \%$; Skin Corr. 1B

$0.5 \% \leq C < 2.0 \%$; Skin Irrit. 2, Eye Irrit. 2

3.2.2 Additional information:

For full text of H-statements, see Section 16

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

4.1.1 General Notes

The first aider must protect herself/himself. Move away from the danger area. Remove contaminated clothing immediately.

4.1.2 Following Inhalation

Take the exposed person to the open air and rest. In case of loss of consciousness, the patient should be carried in recovery position.



4.1.3 Following Skin Contact

Wash immediately with plenty of soap and water. In case of thermal burn, flush with water for at least 15 minutes.

Remove contaminated clothing and shoes. Wash clothing before reuse. Clean your shoes thoroughly before using them again.

Seek medical attention if irritation occurs.



4.1.4 Following Eye Contact

Remove contact lenses, if easy to do. Immediately rinse with plenty of clean water for at least 15 minutes.

Consult an eye specialist.



4.1.5 Following Ingestion

Do not vomit. If the person is conscious, rinse mouth, drink plenty of water.

Consult a doctor if symptoms persist.



4.1.6 Self-Protection of the First Aider

Not available

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

In Case of Inhalation

Severe Irritant. Effects from inhaling dusts, mists, or sprays may range from mild irritation to severe burns, depending on the severity of exposure.

Symptoms may include sneezing, sore throat, or runny nose.

Severe pneumonia may develop.

Skin Contact

It causes severe burns and has a corrosive effect on contact with skin. Prolonged contact may result in serious tissue damage.



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

Eye Contact	Corrosive. Sodium hydroxide damages eye tissue on contact and can cause serious burns to the eyes and even blindness. Contact lenses should not be worn when working with this chemical.
(Digestive) In Case of Ingestion	Corrosive. Swallowing sodium hydroxide can cause severe burns to the mouth, throat, oesophagus and stomach. It can be fatal. After swallowing sodium hydroxide, severe scarring of the throat may occur during the healing process. Symptoms may include sneezing, bleeding, vomiting, diarrhoea, and a drop in blood pressure. Damage may appear days after exposure. An increase in oesophageal cancer cases has been reported in people with oesophageal scarring caused by swallowing sodium hydroxide.
Other	No information

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No specific information. See Section 11 for more detailed information on health effects and symptoms..

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	Water, foam, alcohol-resistant foam, dry extinguishing powder, ABC powder
Unsuitable Extinguishing Media	Water jet

5.2 Special Hazards Arising From The Substance Or Mixture

Hazardous Combustion Products	No information available
Damages Related to Combustion	No information available
Explosion-Related Damages	No information available
Hazards Related to Reactivity	No information available
Other Remarks	No information available

5.3 Advice for Firefighters

Fire Fighting Instructions	Do not stay in a fire hazard area without wearing appropriate equipment.
Protective Equipment for Fire Fighting Personnel	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus.
Other Remarks	Fire extinguishing water should be used as in Section 6.2.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment And Emergency Procedures

Use exposure control and personal protective measures detailed in section 8.

6.1.1 For Non-Emergency Personnel

Protective Equipment	Use appropriate personal protective equipment. Avoid breathing dust and contact with eyes. Keep unprotected persons away.
Emergency Procedures	Provide adequate ventilation.
Other Remarks	Do not use or touch the product until all safety precautions have been thoroughly read and understood.

6.1.2 For Emergency Responders



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0

Preparation Date: 12.02.2026

Form No: 643059

Reissue and Release Date: 13.02.2026

Protective Equipment	Use appropriate personal protective equipment.
Emergency Procedures	Prevent personnel without protective equipment from entering the hazardous area until proper cleaning has been completed.
Other Remarks	Make sure personnel thoroughly read and understand all safety precautions.

6.2 Environmental Precautions

Avoid release with sewer/Surface water/Ground water.

In case of release into waters or sewers, inform the authorized official authorities and inform the authorities.

6.3 Methods and Material for Containment and Cleaning Up

Please act in accordance with local regulations.

6.3.1 For Containment

Place the contaminated material in a suitable container and dispose of it according to Section 13.

6.3.2 For Cleaning Up

Dry dust can be vacuumed or swept up.

6.3.3 Other Information

No information

6.4 Reference to Other Sections

See Section 7 for information on safe use.

See Section 8 for information on personal protective equipment.

See Section 13 for information on disposal.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Ensure proper handling in accordance with good industrial hygiene practices and safe use procedures.

Refer to Section 7 for information on safe use. Obtain information on personal protective equipment from Section 8. Refer to Section 13 for information on disposal.

7.1.1 Protective Measures

7.1.1.1 Measures to Prevent Fire

Provide adequate ventilation in the workplace. Smoking should not be allowed in the usage area.

7.1.1.2 Measures to Prevent Aerosol and Dust Generation

In order to ensure safe handling of the substance or mixture, take the necessary measures to prevent or control both fire and dust generation.

7.1.1.3 Measures to Protect the Environment

Prevent mixing with sewage/surface water/groundwater. In case of mixing with water or sewage, notify the competent authorities and inform the officials

7.1.2 Advice on General Occupational Hygiene

Adherence to industrial hygiene standards is mandatory to prevent ingestion, eye, and skin contact during chemical usage.

After work, wash your hands thoroughly with plenty of water and soap.

Ensure proper ventilation at the workplace.



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0

Preparation Date: 12.02.2026

Form No: 643059

Reissue and Release Date: 13.02.2026

Smoking, eating, and drinking should be prohibited in the application area. Contaminated clothing and protective equipment should be removed before entering eating areas. Separate rooms are required for washing, showering and changing clothes. Dirty work clothes should not be taken out of the workplace.

7.2 - Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures and Storage Conditions	Storage tanks must be ventilated and surrounded by barriers. Keep sodium hydroxide drums separate from acids, metals and explosives. Ensure adequate drainage. When diluting, use stirring and add concentrated sodium hydroxide to water at a controlled rate to control dilution heat and prevent splashing. Do not add water to sodium hydroxide. Do not store with aluminium or magnesium. Store above 16°C (60°F) to prevent freezing.
Packaging Materials	All products should be kept closed in their original packaging when not in use.
Requirements for Storage Rooms and Vessels	Protect from moisture
Storage Class	Storage class (TRGS 510): 8B: Non-flammable, corrosive hazardous substances
Further Information on Storage Condition	Recommended storage temperature: 15–25 °C.

7.3 Specific End Use(s)

Take the precautions required for the specified end-use applications in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational Exposure Limit Values

Sodium hydroxide (CAS No: 1310-73-2):

Country: AU (Australia)

Source: WES (Workplace Exposure Standards)

Exposure Limits:

TWA (8-hour time-weighted average): Not specified

STEL (15-minute short-term exposure limit): Not specified

Ceiling (C): 2 mg/m

Definitions:

Ceiling (C): A limit value that must not be exceeded at any time.

STEL: A 15-minute exposure limit that should not be exceeded.

TWA: An 8-hour time-weighted average exposure limit.

8.1.2 Recommended Monitoring Procedures

Not available

8.1.3 Air Contaminants Formed

Not available

8.1.4 DNEL and PNEC

SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0

Preparation Date: 12.02.2026

Form No: 643059

Reissue and Release Date: 13.02.2026

DNEL; workers, general population; (Inhalation, local effect, long-term): 1 mg/m ³	
8.1.5 Control Banding	
Not available	
8.2 Exposure Controls	
Ensure that personal protective equipment is used in compliance with the relevant regulations and conditions.	
	
8.2.1 Appropriate Engineering Controls	
Install eye/face wash units and emergency safety showers near the work area for use in emergencies, injuries, and exposure situations.	
Implement air filtration systems in necessary areas in accordance with NIOSH and CEN standards.	
Design the usage area in a way that prevents environmental contamination from the product. See Section 7 for further information.	
	
8.2.2 Personal Protection Equipment	
Ensure that personal protective equipment is consistent with and linked to good occupational hygiene practices, engineering controls, and other control measures, including ventilation and isolation.	
See Section 5 for specific fire/chemical personal protective equipment recommendation.	
8.2.2.1 Eye and Face Protection	
Protective glasses (EN 166) should be used.	
Avoid eye contact.	
	
8.2.2.2 Skin Protection	
8.2.2.2.1 Hand Protection	
Impermeable gloves should be worn (EN 374-1) during propane deliveries, and leather gloves should be used when handling cylinders.	
• type of material; NBR (Nitrile rubber) • material thickness; >0,3 mm • breakthrough times of the glove material; >480 minutes (permeation: level 6) • other protection measures; Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.	
	
8.2.2.2.2 Other Skin Protection:	
Wear chemical-resistant protective clothing. Waterproof clothing.	
The type of protective equipment should be selected according to the concentration and quantity of hazardous substances in the specific workplace. Acid-resistant protective clothing should be used.	
	
8.2.2.3 Respiratory Protection	
Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P1 (filters at least 80 % of airborne particles, colour code: White).	
	
8.2.2.4 Thermal Hazards	
No information	
8.2.3 Environmental Exposure Controls	



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

The obligations within the framework of existing legislation for environmental protection must be fully fulfilled.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Colour	Colourless
Odour	Odourless
Odour Threshold	Not applicable
Melting Point/Freezing Point (°C) 760 mmhg	10-12
Initial Boiling Point and Boiling Range (°C) 760 mmhg	139-142
Flammability	Not applicable
Lower and Upper Explosion Limit	1.5 -1.6 mmHg
Flash Point (Closed Cup) (°C)	Not applicable
Auto-Ignition Temperature (°C)	Not applicable
Decomposition Temperature	Not applicable
pH	14
Viscosity (20°C) (Liquid), cp	Not applicable
Solubility	Not applicable
Partition Coefficient n-Octanol/Water (Log Value)	Not applicable
Vapour Pressure (20 °C)	Not applicable
Density (15°C)	Not applicable
Relative Vapour Density	Not applicable
Particle Characteristic	Not applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity

Sodium hydroxide readily reacts with various sugars to produce carbon monoxide, even in a highly diluted solution.

10.2 Chemical Stability

The product is stable under storage and handling conditions according to specifications (see Section 7).

10.3 Possibility of Hazardous Reactions

Substances with which it reacts violently: Acetone, Chloroform, Halogenated hydrocarbons, Magnesium, Maleic anhydride, Methanol, Nitrates, Nitriles, Nitro compounds, Peroxides, Phosphorus, Acids, Calcium, Bromine, Hydrogen peroxide, Metal dust.

10.4 Conditions to Avoid

Keep away from moisture.

10.5 Incompatible Materials

Different metals, aluminium, zinc, tin, brass

10.6 Hazardous Decomposition Products

Reasonable amounts of harmful degradation products expected to result from use, storage, spillage and heating are not known.



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

11. TOXICOLOGICAL INFORMATION

11.1 Information on Hazard Classes as Defined in Regulation (EC) No 1272/2008

This section contains information primarily intended for health professionals, occupational health and safety specialists, and toxicologists.

It includes a brief but complete and understandable description of the various toxicological (health) effects and the available information used to detect these effects, including, where appropriate, toxicokinetics, metabolism and distribution.

The information in this section is consistent with the classification of the substance or mixture. Fields with "Not available" indicate that there is no definite information obtained in studies.

Acute Toxicity:

The substance has not been classified for acute toxicity.

Skin Corrosion/Irritation:

Causes serious skin burns and eye damage.

Serious Eye Damage/Irritation:

Causes serious eye damage.

Respiratory or Skin Sensitisation:

Not available

Germ Cell Mutagenicity:

Not available

Carcinogenicity:

Not available

Reproductive Toxicity:

There is no information on the content of toxic substances for reproduction.

Summary Of Evaluation Of The CMR Properties:

Not available

STOT-single exposure:

There is no information available about Specific Target Organ Toxicity - Single Exposure.

STOT-repeated exposure:

There is no information available about Specific Target Organ Toxicity - Repeated Exposure.

Aspiration Hazard:

There is no information available about aspiration hazards.

11.1.1 Hazard Classes, Differentiation or Information for Effects

H314, Causes serious skin burns and eye damage.

H318, Causes serious eye damage

11.1.2 Hazard Information as Supplied for the Mixture

Not available

11.1.3 Information on Test Data

Not available

11.1.4 Additional Supporting Information on Classification Criteria

Not available.

11.1.5 Information on Potential Routes of Exposure

Eye Contact Causes serious eye damage.

Skin Contact Causes serious skin burns and eye damage.



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

Inhalation	Not available
Ingestion (Swallowing)	Not available
Target Organs	Not available
Medical Symptoms	Not available
Medical Warnings	Not available
11.1.6 Information on Physical, Chemical, and Toxicological Properties	
Not available.	
11.1.7 Chronic Effects from Short and Long-term Exposure, as well as Delayed or Immediate Effects	
Not available	
11.1.8 Interactive Effects	
Not available	
11.1.9 Absence of Specific Data	
Not available	
11.2 Information on other hazards	
11.2.1 Endocrine disrupting properties	
The substance is not included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties. The substance is not considered to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.	
11.2.2 Other Information	
There is no additional information available regarding adverse health effects that are not required by classification criteria.	

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
The substance is not classified as hazardous to the aquatic environment.	
Fish, Short-term / Acute; LC50 (96h); <180 mg/l	
12.2 Persistence and Degradability	
Abiotic Degradation	Not available
Physical- and Photo-chemical Elimination	Not available
Biodegradation	Not available
12.3 Bioaccumulative Potential	
Partition Coefficient n-Octanol /Water (log Kow)	Not available
Bioconcentration Factor (BCF)	Not available
12.4 Mobility in Soil	
Known or Predicted Distribution to Environmental Compartments	Not available
Surface Tension	Not available
Adsorption/Desorption	Not available
12.5 Results of PBT and vPvB Assessment	
This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.	

SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

12.6 Endocrine Disrupting Properties

The substance is not included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties. The substance is not considered to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7 Other Adverse Effects

By forming photochemical oxidants and interfering with the photochemical cycle of nitrogen oxides, it degrades in the atmosphere through photochemical reactions and contributes to the formation of photochemical fog.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste and used packaging must be disposed of in accordance with official regulations. Avoid release with surface and underground waters, drinking water sources, standing and running water, and sewerage.

13.1.1 Product / Packaging Disposal

Do not allow the packaging of the product and the product to be disposed of with household waste.
Deliver used packaging to professional waste disposal service providers or organizations.



Waste Codes / Waste Designations According to LoW

Assignment of waste identification numbers / waste descriptions should be made according to the EWC to be industry and process specific.

13.1.2 Waste Treatment-Relevant Information

RECOMMENDATION: Disposal in accordance with official regulations is recommended.

13.1.3 Sewage Disposal-Relevant Information

It is strictly forbidden to mix the product into sewers and underground waters.
In such cases, inform the official authorities.

13.1.4 Other Disposal Recommendations

See national and international legislation on waste.
Do not dispose of the product without checking the waste regulations.
See Section 7 for safe handling methods.
Properties of waste which render it hazardous
H8 ,Corrosives

14. TRANSPORT INFORMATION

	ADR/RID	ADNR	IMDG	ICAO/IATA
TRANSPORT INFORMATION	HIGHWAY	RIVER CHANNEL	SEAWAY	AIRLINE
14.1. UN NUMBER OR ID NUMBER	1824	1824	1824	1824
14.2. UN PROPER SHIPPING NAME	SODIUM HYDROXIDE SOLUTION			

SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

SYMBOL				
14.3. TRANSPORT HAZARD CLASS(ES)	8	8	8	8
14.4. PACKING GROUP	III	III	III	III
CLASSIFICATION CODE	C5			
LABELING NO	8	8	8	8
HAZARD DIAGNOSTIC NO	80			
TUNNEL RESTRICTION CODE	3 (E)			
EMS			F-A, S-B	
LIMIT QUANTITIES (LQ)	5L	5L	5L	5L
14.5. ENVIRONMENTAL HAZARDS			no	
14.6. SPECIAL PRECAUTIONS FOR USER	Not applicable			
14.7. MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS	Not applicable			
Transport / Additional Information: Contains special provisions for certain classes of dangerous goods packaged in limited quantities in accordance with the transport regulation. Regulations regarding release/spill of small quantities need to be observed				

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

15.1.1 EU Regulation (EC) No. 1907/2006 (REACH)

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH substances with XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no REACH substances with Candidate List (SVHC)

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Seveso Directive

This product is controlled under the Seveso Directive

Other EU regulations

Take note of Dir 94/33/EC on the protection of young people at work.

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Industrial emissions(integrated pollution prevention and control) – Air: Not listed

Industrial emissions (integrated pollution prevention and control) – Water : Not listed

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed

Montreal Protocol

Not listed

Stockholm Convention on Persistent Organic Pollutants

Not listed

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed

LU - Luxembourg prohibited chemicals in the workplace

Not listed

Inventory list

Australia inventory (AIIC):

All the substances comprising this mixture are listed or exempted.

Canada inventory (DSL/NDSL)

All the substances comprising this mixture are listed or exempted.

China inventory (IECSC)

All the substances comprising this mixture are listed or exempted.

Europe inventory (EC)

All the substances comprising this mixture are listed or exempted.

Japan inventory

Japan inventory (CSCL):

All the substances comprising this mixture are listed or exempted.

Japan inventory (ISHL):

All the substances comprising this mixture are listed or exempted.



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

New Zealand Inventory of Chemicals (NZIoC)
All the substances comprising this mixture are listed or exempted.
Philippines inventory (PICCS)
All the substances comprising this mixture are listed or exempted.
Korea inventory (KECI) :
All the substances comprising this mixture are listed or exempted.
Taiwan Chemical Substances Inventory (TCSI) :
All the substances comprising this mixture are listed or exempted.
Thailand inventory :
All the substances comprising this mixture are listed or exempted.
Turkey inventory :
All the substances comprising this mixture are listed or exempted.
United States inventory (TSCA 8b) :
All the substances comprising this mixture are listed or exempted.
Vietnam inventory :
All the substances comprising this mixture are listed or exempted.

The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations

15.1.2 National Regulations

Germany

Water hazard class (WGK) : WGK nwg, Non-hazardous to water (Classification according to AwSV)

National Rules and Recommendations : [German regulations] BetriebssicherheitsV mit TRBSen insbesondere TRBS 3145 / TRGS 725 Ortsbewegliche Druckgasbehälter", TRBS 2141, BGR Regel 500 Teil 2.33: "Umgang mit Gasen", GefahrstoffV mit Technischen Regeln Gefährliche Stoffe TRGS insbesondere TRGS 407 "Tätigkeiten mit Gasen - Gefährdungsbeurteilung", TRGS 400, 500, 510, 900." BGR 104, TRBS 2152.

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid: The substance is not listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

Switzerland

Storage class (LK) : LK 2 - Liquefied or pressurized gases

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643059
Reissue and Release Date: 13.02.2026

16. OTHER INFORMATION

16.1 Indication of Changes

16.1.1 Date of Reissue

Not applicable

16.1.2 Safety Data Sheet No

643059

16.1.3 Number of Issues

1.0

16.2 Classification and Procedure Used to Derive the Classification for Mixtures According to Regulation (EC) 1272/2008 [CLP]

Physical and chemical properties: Classification is based on the mixture being tested.

Health hazards, Environmental hazards: The method of classifying mixtures is based on the substances in the mixture composition (additivity formula).

16.3 Key Literature References and Sources for Data

The key sources of information used in the preparation of this safety data sheet include:

- Safety Data Sheet(s) prepared by the manufacturer of the product
- Regulation on Safety Data Sheets for Hazardous Substances and Mixtures and its annexes
- Regulation on the Classification, Labeling, and Packaging of Substances and Mixtures and its annexes
- Regulation on Health and Safety Measures in Work with Carcinogenic and Mutagenic Substances and its annexes
- Relevant other local regulations
- UN ADR, IMDG, IATA lists, ECHA, and relevant EU directives

16.4 Additional Information

- For recommended usage restrictions and non-mandatory advice, please contact our sales department.
- To ensure the protection of human health and the environment, and to promote a general safety culture among workers regarding exposure to the product and the comprehensible reading and usage of safety data sheets and label information, appropriate training is recommended.
- The information provided in this Safety Data Sheet is based on the best available knowledge, information, and beliefs at the time of preparation.

Full text of H- and EUH-statements

Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Eye Dam. 1	Serious eye damage/irritation, Category 1
Met. Corr. 1	Corrosive to Metals, Category 1
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage.
H290	May be corrosive to metals

CLP: Directive 1272/2008 <Classification, Labeling and Packaging of Substances and Mixtures> published in EU
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road



SAFETY DATA SHEET

according to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

Sodium Hydroxide 48%

Number of Issues: 1.0

Form No: 643059

Preparation Date: 12.02.2026

Reissue and Release Date: 13.02.2026

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
ADNR: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
TWA: Time Weighted Average
EWC: European Waste Catalogue
DNEL: Derived no effect level
PNEC: Predicted no effect level
PBT: Persistent, bioaccumulative und toxic substance
vPvB: Very persistent and very biaccumulative substance
CMR: Carcinogen, Mutagen or Reproductive Toxicant
EmS: Emergency Schedule
GHS: Globally Harmonized System