



SAFETY DATA SHEET

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

Potassium hydroxide 48-50%

Number of Issues: 1.0
Preparation Date: 24.03.2025

Form No: 643001
Reissue and Release Date: 24.03.2025

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

1.1 Product Identifier

Trade Name	Potassium hydroxide 48-50%
Product SDS Code/No	643001
CAS No	1310-58-3
EINECS No	215-181-3

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

Relevant Identified Uses	Not available
Uses Advised Against	Not available

1.3 Details of the Supplier of the Safety Data Sheet

1.3.1 Manufacturer

Manufacturer Name	SÖZ KİMYEVİ MAD.GIDA TUR.TİC.LTD.ŞTİ.
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
Information Providing Authority About Safety Data Sheet	İsmail Özdal

1.4 Emergency Telephone Number

Emergency Telephone Number	+90 216 304 13 33 - 34 pbx
Opening Hours	This number is only available during the following office hours: Mon-Fri 09:00 - 17:00

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

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

- Skin Corr. 1A, H314
- Met. Corr. 1, H290
- Acute Tox. 4, H302

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
	· Potassium hydroxide (EC: 215-181-3)

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Hazard Pictograms



GHS05 GHS07

Signal Word

- DANGER

Hazard Statements

H290 May be corrosive to metals

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

Precautionary Statements

General

-

Precaution

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

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

Intervention

P310 Immediately call a POISON CENTER or doctor/physician.

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].

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

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/state/national regulations.

Supplemental Hazard Information (EU)

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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.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

SUBSTANCE NAME	EC/EINECS NO.	CAS NO.	WEIGHT % CONTENT (OR RANGE)	CLASSIFICATION (CLP)
Potassium hydroxide	215-181-3	1310-58-3	48 – 50	Met. Corr. 1 / H290 Acute Tox. 4 / H302 Skin Corr. 1A / H314 Eye Dam. 1 / H318

3.1.1 Notes

Index No: 019-002-00-8

SYNONYMS: Caustic Potash Liquid, Potassium Hydrate, Lye, KOH

Specific Conc. Limits:

Skin Corr. 1A; H314: $C \geq 5 \%$

Skin Corr. 1B; H314: $2 \% \leq C < 5 \%$

Skin Irrit. 2; H315: $0,5 \% \leq C < 2 \%$

Eye Dam. 1; H318: $C \geq 2 \%$

Eye Irrit. 2; H319: $0,5 \% \leq C < 2 \%$

Additional information:

For full text of H-statements, see Section 16

3.2 Mixtures

Not applicable

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

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.



4.1.3 Following Skin Contact

After contact with skin, wash immediately with plenty of water. Immediate medical treatment required because corrosive injuries that are not treated are hard to cure. Wash clothing before reuse. Clean your shoes thoroughly before using them again.



4.1.4 Following Eye Contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Consult an eye specialist.



4.1.5 Following Ingestion

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Rinse mouth immediately and drink plenty of water. Rinse mouth with water (only if the person is conscious). Call a physician immediately. If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).



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	Cough. Sore throat. Burning sensation. Shortness of breath,
Skin Contact	Redness. Pain. Serious skin burns. Blisters.
Eye Contact	Redness. Pain. Blurred vision. Severe burns.
(Digestive) In Case of Ingestion	Abdominal pain. Burns in mouth and throat. Burning sensation in the throat and chest. Nausea. Vomiting. Shock or collapse.
Other	No information

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

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

5. FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	Carbon dioxide (CO ₂), foam, fire extinguishing powder, water spray.
Unsuitable Extinguishing Media	Water jet

5.2 Special Hazards Arising From The Substance Or Mixture

Hazardous Combustion Products	Non-combustible..
Damages Related to Combustion	No information.
Explosion-Related Damages	No information.
Hazards Related to Reactivity	No information.
Other Remarks	No information.

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 personal protective equipment as required. Avoid contact with skin, eyes and clothes. Do not breathe vapour/spray..
Emergency Procedures	Provide adequate ventilation.
Other Remarks	No information.

6.1.2 For Emergency Responders

Protective Equipment	Use appropriate personal protective equipment.
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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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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

NO contact with incompatible materials.

7.1.1.2 Measures to Prevent Aerosol and Dust Generation

No information.

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.
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.

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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	Keep container tightly closed. Recommended storage temperature: 15 – 25 °C.
Packaging Materials	All products should be kept closed in their original packaging when not in use.
Requirements for Storage Rooms and Vessels	Take the necessary measures to prevent the handling of incompatible substances or mixtures.
Storage Class	Not available
Further Information on Storage Condition	No information

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

Potassium hydroxide (CAS No: 131058-3)

STEL (mg/ m³): 2 mg/m³ (S.I. No. 619 of 2001)

STEL= Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15minute period (unless otherwise specified).

8.1.1.1 The National Occupational Exposure Limit Values that Correspond to Union Occupational Exposure Limit Values in Accordance With Directive 98/24/EC, Including Any Notations as Referred to in Article 2(3) of Commission Decision 2014/113/EU

Not available

8.1.1.2 The National Occupational Exposure Limit Values that Correspond to Union Limit Values in Accordance with Directive 2004/37/EC, Including Any Notations as Referred to in Article 2(3) of Decision 2014/113/EU

Not available

8.1.1.3 Any Other National Occupational Exposure Limit Values

Not available

8.1.1.4 The National Biological Limit Values that Correspond to Union Biological Limit Values in Accordance with Directive 98/24/EC, Including Any Notations as Referred to in Article 2(3) Of Decision 2014/113/EU

Not available

8.1.1.5 Any Other National Biological Limit Values

Not available

8.1.2 Recommended Monitoring Procedures

Not available

8.1.3 Air Contaminants Formed

Not available

8.1.4 DNEL and PNEC

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DNEL Potassium hydroxide (CAS No: 131058-3) Industry - Inhalation; Long term local effects: 1 mg/m ³ Consumer - Inhalation; Long term local effects: 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.	
8.2.2.2.2 Other Skin Protection:	
Protective work clothes should be worn.	
8.2.2.3 Respiratory Protection	
In case of insufficient ventilation wear suitable respiratory protection device. Avoid breathing dust.	
8.2.2.4 Thermal Hazards	
No information	
8.2.3 Environmental Exposure Controls	
The obligations within the framework of existing legislation for environmental protection must be fully fulfilled.	



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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	Not available
Initial Boiling Point and Boiling Range (°C) 760 mmhg	>100 °C
Flammability	Non-combustible
Lower and Upper Explosion Limit	Not available
Flash Point (Closed Cup) (°C)	Not available
Auto-Ignition Temperature (°C)	Not available
Decomposition Temperature	Not available
pH	~ 14 (20 °C)
Viscosity @ 20°C (Liquid), cp	Not available
Solubility	Miscible in any proportion
Partition Coefficient n-Octanol/Water (Log Value)	Not relevant (inorganic)
Vapour Pressure (Bar)	Not available
Density @ 15°C	Not available
Relative Vapour Density	Not available
Particle Characteristic	Not available

9.2 Other information

Corrosive to metals	Category 1: corrosive to metals
Miscibility	Completely miscible with water

10. STABILITY AND REACTIVITY

10.1 Reactivity

Substance or mixture corrosive to metals.

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

The solution in water is a strong base. It reacts violently with acid and is corrosive to metals such as aluminium, tin, lead and zinc. This produces a combustible/explosive gas (hydrogen - see ICSC 0001). Reacts with ammonium salts. This produces ammonia. This generates fire hazard. Contact with moisture and water may generate heat.

10.4 Conditions to Avoid

There are no specific conditions known which have to be avoided..

10.5 Incompatible Materials

Different metals, aluminium, zinc, tin.

10.6 Hazardous Decomposition Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.

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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:

Harmful if swallowed.
Potassium hydroxide (CAS No: 1310-58-3)
Oral, ATE: 333 mg/kg.
Oral, rat, LD50: 333 mg/kg.

Skin Corrosion/Irritation:

Causes severe 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 Information on Potential Routes of Exposure

Eye Contact	Causes burns, Causes serious eye damage, risk of blindness.
Skin Contact	Causes severe burns, causes poorly healing wounds.
Inhalation	Burning, choking, coughing, wheezing, laryngitis, shortness of breath, headache.
Ingestion (Swallowing)	If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects)
Target Organs	Not available
Medical Symptoms	Not available

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Medical Warnings Not available

11.1.2 Information on Physical, Chemical, and Toxicological Properties

Not available.

11.1.3 Chronic Effects from Short and Long-term Exposure, as well as Delayed or Immediate Effects

Not available

11.1.4 Interactive Effects

Not available

11.1.5 Absence of Specific Data

Not available

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

The substance does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

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

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and Degradability

Data are not available

Abiotic Degradation	Not available
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Physical- and Photo-chemical Elimination	Not available
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Biodegradation	Not available
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12.3 Bioaccumulative Potential

Data are not available

Partition Coefficient n-Octanol /Water (log Kow)	Not available
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Bioconcentration Factor (BCF)	Not available
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12.4 Mobility in Soil

Data are not available

Known or Predicted Distribution to Environmental Compartments	Not available
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Surface Tension	Not available
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Adsorption/Desorption	Not available
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12.5 Results of PBT and vPvB Assessment

This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.

12.6 Endocrine Disrupting Properties

The substance does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

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.

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13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

13.1.1 Product / Packaging Disposal

Do not allow the packaging of the product and the product to be disposed of with household waste.

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.



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

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Properties of waste which render it hazardous

HP 4 irritant - skin irritation and eye damage

HP 6 acute toxicity

HP 8 corrosive.

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.

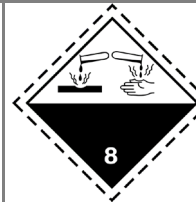
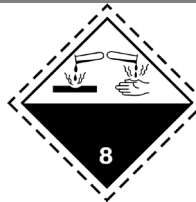
13.1.4 Other Disposal Recommendations

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.

14. TRANSPORT INFORMATION

	ADR/RID	ADNR	IMDG	ICAO/IATA
TRANSPORT INFORMATION	HIGHWAY	RIVER CHANNEL	SEAWAY	AIRLINE
14.1. UN NUMBER OR ID NUMBER	UN1814	UN1814	UN1814	UN1814
14.2. UN PROPER SHIPPING NAME	POTASSIUM HYDROXIDE SOLUTION			
SYMBOL				
14.3. TRANSPORT HAZARD CLASS(ES)	8	8	8	8
14.4. PACKING GROUP	II	II	II	II
CLASSIFICATION CODE	C5			
LABELING NO	8	8	8	8
HAZARD DIAGNOSTIC NO	80			
TUNNEL RESTRICTION CODE	E			



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<i>EMS</i>			<i>F-A, S-B</i>	
<i>LIMIT QUANTITIES (LQ)</i>	<i>1 L</i>	<i>-</i>	<i>1 L</i>	<i>0,5 L</i>
<i>14.5. ENVIRONMENTAL HAZARDS</i>			<i>Not classified</i>	
<i>14.6. SPECIAL PRECAUTIONS FOR USER</i>	<i>Not applicable</i>			
<i>14.7. MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS</i>	<i>Not applicable</i>			
<i>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</i>				

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 III (Restriction List)

Contains no REACH substances with Annex III restrictions

REACH Annex XVII (Restriction List)

CAUTION - Chemical may be subject to REACH RESTRICTIONS - see Annex XVII. This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES. Entry number: 3

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)

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

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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/NDL)

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.

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.

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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.

16. OTHER INFORMATION

16.1 Indication of Changes

16.1.1 Date of Reissue

Not applicable

16.1.2 Safety Data Sheet No

643001

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. The classification is based on tested mixture.

SAFETY DATA SHEET

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

Potassium hydroxide 48-50%

Number of Issues: 1.0

Preparation Date: 24.03.2025

Form No: 643001

Reissue and Release Date: 24.03.2025

Health hazards. Environmental hazards. The method for classification of the mixture is based on ingredients of the mixture (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

Met. Corr. 1	Corrosive to metals, Category 1
Eye Dam. 1	Serious eye damage/irritation, Category 1
Skin Corr. 1A	Skin corrosion, Category 1A
Acute Tox. 4	Acute toxicity, Category 4
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

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

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

S.I. No. 619 of 2001: Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001

STEL: Short-term exposure limit

ATE: Acute Toxicity Estimate