



SAFETY DATA SHEET

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

Ammonia, aqueous solution %25

Number of Issues: 1.0
Preparation Date: 12.02.2026

Form No: 643058
Reissue and Release Date: 12.02.2026

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

1.1 Product Identifier

Trade Name	Ammonia, aqueous solution %25
Product SDS Code/No	643058
EC No	215-647-6
CAS No	1336-21-6

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

Relevant Identified Uses	It is used in many fields and industries such as textiles, silk production, rubber, fertilizers, refrigeration, photography, pharmaceuticals, ammonia-based soaps, lubricants and greases, inks, explosives, wood preservation, ceramics, ammonium compounds, organic synthesis, cleaning products, food additives, and laboratory chemicals, among others.
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)

- Skin Corr. 1B, H314
- STOT SE 3, H335
- Aquatic Acute 1, H400

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
	· Ammonia, aqueous solution %25 (EC: 215-647-6)
Hazard Pictograms	

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GHS07



GHS05



GHS09

Signal Word

- DANGER

Hazard Statements

H314 Causes severe skin burns and eye damage

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

Precautionary Statements

General

-

Precaution

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

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

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.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

Storage

P405 Store locked up.

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.

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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)
Ammonia, aqueous solution	215-647-6	1336-21-6	25	Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Acute 1, H400

3.2.1 Notes:

***Note B:** Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Specific concentration limits: STOT SE 3; H335: C ≥ 5 %

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

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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

It causes severe irritation in the respiratory tract.

It causes irritation in the mucous membranes, coughing, shortness of breath, and pulmonary oedema.

It causes severe irritation when vapours and aerosols are formed.

Direct exposure at 5000 ppm levels can cause fluid accumulation in the lungs, leading to suffocation and rapid death.

Skin Contact

Liquid ammonia splashes cause severe frostbite on the skin.

Moist ammonia vapour irritates the skin.

It causes dermatitis and necrosis on the skin.

Eye Contact

It causes burns. Liquid ammonia splashes can cause permanent damage to the eye, the effects of which may not be visible for several days, and can even lead to blindness. Ammonia vapours can irritate the eye and cause watering.

It can cause serious damage at high concentrations.

It can cause bleeding, swelling of the eyelids, and partial or total blindness.

Harmful if swallowed.

(Digestive) In Case of Ingestion

Causes severe burns and throat pain, stomach pain, nausea,

bloody vomiting, shortness of breath, shock and loss of consciousness, and mucosal irritation in the chest and abdomen.

It creates a risk of perforation in the oesophagus and stomach.

It causes severe irritation and damage to the oesophagus, stomach, and intestines.

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 (CO₂), foam, fire extinguishing powder.

Unsuitable Extinguishing Media

No information

5.2 Special Hazards Arising From The Substance Or Mixture

Hazardous Combustion Products

When burning, the gases and fumes may form nitrogen oxides.

Damages Related to Combustion

No information.

Explosion-Related Damages

In an enclosed space, a mixture of ammonia and air within the limits (16-27%) may cause an explosion if ignited.

Hazards Related to Reactivity

No information.



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Other Remarks	It contains vapours dispersed in water.
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

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



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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. 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	Store in a dry, well-ventilated environment, away from heat and fire sources. The storage area where the materials are kept should be cleaned regularly and well ventilated. Store in a closed container in a dry, cool, well-ventilated place. Store in the original container with the lid tightly closed. Keep containers closed when not in use.
Packaging Materials	All products should be kept closed in their original packaging when not in use.
Requirements for Storage Rooms and Vessels	Copper, nickel, zinc and tin coatings are corrosive. They must be stored separately from flammable substances, aerosols, oxidising substances, irritant/corrosive substances, and products classified as irritating and/or harmful/toxic to human health and the environment.
Storage Class	Not available
Further Information on Storage Condition	Store separately from foodstuffs. The storage temperature should be below 25 °C.
7.3 Specific End Use(s)	
Take the precautions required for the specified end-use applications in Section 1.2.	

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational Exposure Limit Values

Madde Adı	EINECs No	CAS No.	%	TWA ¹⁰ (8 h.)		STEL ¹¹ (15 Min)		Specific Sign	Source
				mg/m ³ ¹²	ppm ¹³	mg/m ³	ppm		
Ammonia 25%	215-647-6	1336-21-6	25%	-	25	-	40	-	ACGIH

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

Not available

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.

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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:

Wear fully protective clothing that is resistant to ammonia, fireproof and antistatic.
Wear rubber boots.



8.2.2.3 Respiratory Protection

In risk assessments, use ABEK (EN14387) type cartridge respirators with full face protection where the air purification system is inadequate.

Even where the air purification system is adequate, use EN141 type masks.

Ensure that respiratory equipment and ventilation systems are approved by organisations such as NIOSH (USA) and CEN (EU).

According to German personal protection regulations, a mask compliant with the ZH-1/134 respiratory catalogue must be selected.



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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Colour	Colourless – Clear to slightly turbid liquid
Odour	Pungent-smelling
Odour Threshold	Not applicable
Melting Point/Freezing Point (°C) 760 mmhg	Not available



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Initial Boiling Point and Boiling Range (°C) 760 mmhg	37,70
Flammability	Not available
Lower and Upper Explosion Limit	16-27 %
Flash Point (Closed Cup) (°C)	Not available
Auto-Ignition Temperature (°C)	Not available
Decomposition Temperature	Not available
pH	11,60
Viscosity (20°C) (Liquid), cp	Not available
Solubility	Insoluble
Partition Coefficient n-Octanol/Water (Log Value)	-1,14
Vapour Pressure (20 °C)	475.7 - 723.9 hPa
Density (15°C)	Not available
Relative Vapour Density	0.6
Particle Characteristic	Not available

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

It does not have any known hazardous reactions.

10.4 Conditions to Avoid

Avoid extremes of temperature and humidity. The material should be kept in dry condition in order to avoid the hazardous consequence when used for melting. Avoid generating sparks or other ignition sources in areas with high dust concentrations.

10.5 Incompatible Materials

Avoid contact with acids, oxidizing agents, alkalis (may generate ammonia), halogens, interhalogens, halides, metal halides, silver compounds (during storage), mercury/water, ethylene oxide, acrolein, antimony hydride/heat, boron, dimethyl sulfate, carbon dioxide, phosgene, phosphorus oxides, oxygen, sulfur dioxide, hydrogen sulfide, nitrogen oxides, zinc, copper, and tin. Corrosive to copper, zinc, aluminum, cadmium, and their alloys. Reacts with mercury and silver oxide to form shock-sensitive compounds. Reacts violently with nitrogen oxides and strong acids.

10.6 Hazardous Decomposition Products

During combustion, nitrogen oxides (NO_x), ammonia gas, phosphorus oxides and nitrogen oxides may be released.

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.



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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.

Ammonia; [CAS:1336-21-6]:

LD50 Oral, 350 mg/kg (rat)

LC50 Inhalation, 3,31 mg/l 2 h (human)

Skin Corrosion/Irritation:

Causes serious skin burns and eye damage.

Serious Eye Damage/Irritation:

Causes serious eye damage.

Respiratory or Skin Sensitisation:

Prolonged contact causes skin sensitivity.

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:

May cause respiratory irritation

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.

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.
Inhalation	May cause respiratory irritation
Ingestion (Swallowing)	Not available
Target Organs	Not available



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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

Un-ionized (free) ammonia is toxic to aquatic life in surface waters. However, ammonium ions, which are commonly present in water, are not toxic. In waters contaminated as a result of ammonia, the ammonium salts that may form do not pose a toxic hazard. An increase in pH above 7.5 leads to an increase in the level of un-ionized ammonia.

Substance or Compound [CAS#]	Conc.	LC50 Fish 96h	LC50 Daphnia magna 48h
Ammonia; [1336-21-6]	25	LC50: < 1 mg/l ; 96 Hour	LC50: 89 mg/l ; 48h (daphnia magna)

12.2 Persistence and Degradability

In soil, it is rapidly oxidized to nitrate ions by microorganisms. In clean water, it may be nitrified by microorganisms or adsorbed onto sediment particles and colloids. It is essentially biodegradable in water.

Abiotic Degradation	Not available
Physical- and Photo-chemical Elimination	Not available
Biodegradation	Ammonia [1336-21-6] Air: Half-life - $t_{1/2}$: 100.3 days

12.3 Bioaccumulative Potential

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

12.4 Mobility in Soil

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Liquid, water-soluble When determining environmental mobility, consider the chemical and physical properties of the product (see Section 9).	
Known or Predicted Distribution to Environmental Compartments	When used as fertiliser, ammonia gas mixes directly into the soil.
Surface Tension	Not available
Adsorption/Desorption	Not available
Water Hazard Class	WGK 2: harmful to water

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 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.

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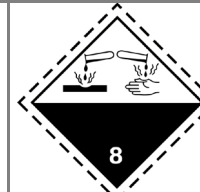
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14. TRANSPORT INFORMATION

	ADR/RID	ADNR	IMDG	ICAO/IATA
TRANSPORT INFORMATION	HIGHWAY	RIVER CHANNEL	SEAWAY	AIRLINE
14.1. UN NUMBER OR ID NUMBER	2672	2672	2672	2672
14.2. UN PROPER SHIPPING NAME	AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15 °C in water, with more than 10% but not more than 35% ammonia			
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			yes	
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 III (Restriction List)

Contains no REACH substances with Annex III restrictions

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)



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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
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.



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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.



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16. OTHER INFORMATION

16.1 Indication of Changes

16.1.1 Date of Reissue

Not applicable

16.1.2 Safety Data Sheet No

643058

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 (addibility 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. 1B	Skin corrosion/irritation, Category 1B
Eye Dam. 1	Serious eye damage/irritation, Category 1
STOT SE 3	STOT-respiratory tract irritation - single exposure, Category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute Hazard-Category 1
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life



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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