

# SAFETY DATA SHEET

### Calcium oxide

Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of t	he substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	Calcium oxide
REACH registration number	01-2119475325-36-0238
CAS number	1305-78-8
EC number	215-138-9
Synonyms; trade names	Lime; Quicklime; Burnt lime; Calx; Unslaked lime; Fluxing lime; Calcia; Pebble lime.
1.2. Relevant identified uses o	f the substance or mixture and uses advised against
Identified uses	Industrial use. Rubber additive.
Uses advised against	No specific uses advised against are identified.
1.3. Details of the supplier of the supplier of the supplier of the supplier of the supplication of the su	he safety data sheet
Supplier	Tepe Kimya San. ve Tic. A.Ş. Center office: Aydınlı Mahallesi Mobilyacılar Küçük Sanayi Sitesi Yan Yol Caddesi Melodi Sokak No: 2/28 Tuzla-İstanbul/TÜRKİYE Factory:
	2. Organize Sanayi Bölgesi 7. Cadde No: 11 Hendek-Sakarya/TÜRKİYE Tel: +90 216 593 19 20 Fax: +90 216 593 19 25 info@tepekimya.com, www.tepekimya.com
Contact person	Halil BOZTEPE (Mr.)
Only Representative	Reach Global Services SA Rond Point Schuman, 6 Box 5, B-1040 Bruxelles / Belgium Tel: +32 (2) 234 77 77
1.4. Emergency telephone nu	mber
Emergency telephone	Tepe Kimya : +90 216 593 19 20
SECTION 2: Hazards identific	ation
2.1. Classification of the subst	tance or mixture
Classification (EC 1272/2008)	
Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335
Environmental hazards	Not Classified

#### 2.2. Label elements

EC number	215-138-9
	210 100 5

#### Hazard pictograms

$\wedge$
$\checkmark$

Signal word	Danger
Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.
Precautionary statements	<ul> <li>P260 Do not breathe dust.</li> <li>P280 Wear protective clothing, gloves, eye and face protection.</li> <li>P302+P352 IF ON SKIN: Wash with plenty of water.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P501 Dispose of contents/ container in accordance with national regulations.</li> </ul>

#### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/info	ormation on ingredients
3.1. Substances	
Product name	Calcium oxide
REACH registration number	01-2119475325-36-0238
CAS number	1305-78-8
EC number	215-138-9
Chemical formula	CaO
Composition comments	See section 8 for workplace exposure limits.
3.2. Mixtures	
Description	Not applicable.
SECTION 4: First aid measur	es
4.1. Description of first aid me	pasures
General information	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and
Ingestion	keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on

their side in the recovery position and ensure breathing can take place.

Remove any dentures. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.

Skin contact	Rinse with water. Get medical attention if symptoms are severe or persist after washing. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.
4.2. Most important symptoms a General information	nd effects, both acute and delayed
	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.
Ingestion	May cause irritation.
Skin contact	Redness. Irritating to skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	Treat symptomatically.
SECTION 5: Firefighting meas	
CEOTION C. Thonghang mode	sures
	ures
5.1. Extinguishing media Suitable extinguishing media	The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
5.1. Extinguishing media	The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog.
5.1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing	The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.
5.1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing media	The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.
5.1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing media 5.2. Special hazards arising fro	The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire. <u>Om the substance or mixture</u> Containers can burst violently or explode when heated, due to excessive pressure build-up.
5.1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing media 5.2. Special hazards arising fro Specific hazards Hazardous combustion	The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire. <b>Om the substance or mixture</b> Containers can burst violently or explode when heated, due to excessive pressure build-up. Chlorine trifluoride reacts violently with calcium oxide flame. Thermal decomposition or combustion products may include the following substances:
5.1. Extinguishing media Suitable extinguishing media Unsuitable extinguishing media 5.2. Special hazards arising fro Specific hazards Hazardous combustion products	The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire. <b>om the substance or mixture</b> Containers can burst violently or explode when heated, due to excessive pressure build-up. Chlorine trifluoride reacts violently with calcium oxide flame. Thermal decomposition or combustion products may include the following substances:

SECTION 6: Accidental release	measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate.
6.2. Environmental precautions	
Environmental precautions	Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
6.3. Methods and material for	containment and cleaning up
Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet.
	Small Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container.
	Large Spillages: If leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant, or proceed as follows. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labelled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. The contaminated absorbent may pose the same hazard as the spilled material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
6.4. Reference to other section	ns
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
SECTION 7: Handling and stora	ge
7.1. Precautions for safe handlin	g
Usage precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid generation and spreading of dust. Do not handle broken packages without protective equipment. Do not reuse empty containers. Mechanical ventilation or local exhaust ventilation may be required.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.
7.2. Conditions for safe storag	e, including any incompatibilities
Storage precautions	Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. The storage area floor should be leak-tight, jointless and not absorbent. Store away from the following materials: Acids. Strong oxidising agents.

### 7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m<sup>3</sup>

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

DNEL

Workers - Inhalation; Short term systemic effects: 4 mg/m<sup>3</sup> Workers - Inhalation; Long term systemic effects: 1 mg/m<sup>3</sup>

#### 8.2. Exposure controls

#### Protective equipment







Appropriate engineering controls	Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber. Thickness: 0,11 mm
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with replaceable filter cartridges should comply with replaceable filter cartridges should comply with replaceable filter cartridges should comply with European Standard EN140.
Environmental exposure controls	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### **SECTION 9: Physical and chemical properties**

9.1. Information on basic phys	sical and chemical properties
Appearance	Solid. Powder.
Colour	White. Off-white.
Odour	Odourless.
Odour threshold	No information available.
рН	pH (diluted solution): 12,5 - 12,8 (1,65 g/l @25 °C)
Melting point	2570°C
Initial boiling point and range	2850°C
Flash point	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Relative density	2,38 g/cm3 @ 20°C
Bulk density	0.90 g/cm3
Solubility(ies)	Slightly soluble in water. 1,65 g/l water @ 20°C 0,77 g/l water @ 100°C Soluble in the following materials: Acids. Glycerol. Insoluble in the following materials: Alcohols.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Oxidising properties	No information available.
9. <u>2. Other information</u> Molecular weight	56,08 g/mol

SECTION 10: Stability and rea	activity
10. <u>1.</u> Reactivity	
Reactivity	Water-reactive materials.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	No potentially hazardous reactions known.
10. <u>4. Conditions to avoid</u> Conditions to avoid	Keep away from moisture. When exposed to air, this product will absorb moisture.
10.5. Incompatible materials	
Materials to avoid	Strong acids. Strong oxidising agents. Water, moisture. Phenols, cresols.
10.6. Hazardous decompositio	
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO2).
SECTION 11: Toxicological in	formation
11.1. Information on toxicolog	ical effects
Acute toxicity - oral Notes (oral LD₅o)	Based on available data the classification criteria are not met.
Acute toxicity - dermal Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> )	Based on available data the classification criteria are not met.
Skin corrosion/irritation Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation Serious eye damage/irritation	Eye Dam. 1 - H318 Causes serious eye damage. Rabbit. (OECD Test Guideline 405)
Respiratory sensitisation Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	

Revision date: 20/10/2020

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity -	single exposure
STOT - single exposure	STOT SE 3 - H335 May cause respiratory irritation.
Target organs	Respiratory system, lungs
Specific target organ toxicity -	repeated exposure
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.
Ingestion	May cause irritation.
Skin contact	Redness. Irritating to skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	Respiratory system, lungs
Target organs SECTION 12: Ecological infor	
SECTION 12: Ecological infor	mation The product may affect the acidity (pH) of water which may have hazardous effects on aquatic
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SECTION 12: Ecological infor Ecotoxicity 12.1. Toxicity	mation The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.
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SECTION 12: Ecological infor Ecotoxicity <u>12.1. Toxicity</u> Toxicity Acute aquatic toxicity	mation         The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.         Based on available data the classification criteria are not met.         LC <sub>50</sub> , 96 hour: 1070 mg/l, Cyprinus carpio (Common carp)
SECTION 12: Ecological infor         Ecotoxicity         12.1. Toxicity         Toxicity         Acute aquatic toxicity         Acute toxicity - fish         12.2. Persistence and degradation	mation         The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.         Based on available data the classification criteria are not met.         LC <sub>50</sub> , 96 hour: 1070 mg/l, Cyprinus carpio (Common carp)
SECTION 12: Ecological infor         Ecotoxicity         12.1. Toxicity         Toxicity         Acute aquatic toxicity         Acute toxicity - fish         12.2. Persistence and degradation	mation         The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.         Based on available data the classification criteria are not met.         LC₅₀, 96 hour: 1070 mg/l, Cyprinus carpio (Common carp)         ability         The degradability of the product is not known.
SECTION 12: Ecological infor         Ecotoxicity         12.1. Toxicity         Toxicity         Acute aquatic toxicity         Acute toxicity - fish         12.2. Persistence and degrada         Persistence and degradability	mation         The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.         Based on available data the classification criteria are not met.         LC₅₀, 96 hour: 1070 mg/l, Cyprinus carpio (Common carp)         ability         The degradability of the product is not known.
SECTION 12: Ecological infor         Ecotoxicity         12.1. Toxicity         Toxicity         Acute aquatic toxicity         Acute toxicity - fish         12.2. Persistence and degrada         Persistence and degradability         12.3. Bioaccumulative potentia	mation         The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.         Based on available data the classification criteria are not met.         LC <sub>30</sub> , 96 hour: 1070 mg/l, Cyprinus carpio (Common carp)         ability         The degradability of the product is not known.
SECTION 12: Ecological infor         Ecotoxicity         12.1. Toxicity         Toxicity         Acute aquatic toxicity         Acute toxicity - fish         12.2. Persistence and degrada         Persistence and degradability         12.3. Bioaccumulative potential	mation         The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.         Based on available data the classification criteria are not met.         LC <sub>50</sub> , 96 hour: 1070 mg/l, Cyprinus carpio (Common carp)         ability         The degradability of the product is not known.         Image: No data available on bioaccumulation.
SECTION 12: Ecological infor         Ecotoxicity         12.1. Toxicity         Toxicity         Acute aquatic toxicity         Acute toxicity - fish         12.2. Persistence and degrada         Persistence and degradability         12.3. Bioaccumulative potential         Bioaccumulative potential         Partition coefficient	mation         The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.         Based on available data the classification criteria are not met.         LC <sub>50</sub> , 96 hour: 1070 mg/l, Cyprinus carpio (Common carp)         ability         The degradability of the product is not known.         Image: No data available on bioaccumulation.
SECTION 12: Ecological infor         Ecotoxicity         12.1. Toxicity         Toxicity         Acute aquatic toxicity         Acute toxicity - fish         12.2. Persistence and degrada         Persistence and degradability         12.3. Bioaccumulative potential         Bioaccumulative potential         Partition coefficient         12.4. Mobility in soil	mation         The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.         Based on available data the classification criteria are not met.         LC <sub>50</sub> , 96 hour: 1070 mg/l, Cyprinus carpio (Common carp)         ability         The degradability of the product is not known.         I         No data available on bioaccumulation.         No information available.         The product is water-soluble and may spread in water systems. The product is non-volatile.
SECTION 12: Ecological infor         Ecotoxicity         12.1. Toxicity         Toxicity         Acute aquatic toxicity         Acute aquatic toxicity         Acute toxicity - fish         12.2. Persistence and degrada         Persistence and degradability         12.3. Bioaccumulative potential         Bioaccumulative potential         Partition coefficient         12.4. Mobility in soil         Mobility	mation         The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.         Based on available data the classification criteria are not met.         LC <sub>50</sub> , 96 hour: 1070 mg/l, Cyprinus carpio (Common carp)         ability         The degradability of the product is not known.         I         No data available on bioaccumulation.         No information available.         The product is water-soluble and may spread in water systems. The product is non-volatile.

12.6. Other adverse effects		
Other adverse effects	None known.	
SECTION 13: Disposal consid	lerations	
13.1. Waste treatment		
methods General information	Reuse or recycle products wherever possible. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Empty containers or liners may retain some product residues and hence be potentially hazardous.	
Disposal methods	Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.	
SECTION 14: Transport information		
14.1. UN number		
Not applicable.		
UN No. (ICAO)	1910	
14.2. UN proper shipping nam		
Not applicable.		
Proper shipping name (ICAO)	Calcium oxide	
14.3. Transport hazard class(es)		
No transport warning sign req	uired.	
ICAO class/division	8	
14. <u>4.</u> Packing group Not applicable.		
ICAO packing group		
14.5. Environmental hazards		
Environmentally hazardous substance/marine pollutant		
No.		
14.6. Special precautions for user Not applicable.		
14.7. Transport in bulk according to Annex II of MARPOL and the IBC		
<u>Code</u> Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code		

### **SECTION 15: Regulatory information**

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Authorisations (Annex XIV Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Annex XVII Regulation 1907/2006)	No specific restrictions on use are known for this product.
Seveso Directive - Control of major accident hazards	Not applicable.
15.2 Chamical asfaty assault	mant

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<ul> <li>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</li> <li>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</li> <li>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</li> <li>IATA: International Air Transport Association.</li> <li>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</li> <li>IMDG: International Maritime Dangerous Goods.</li> <li>CAS: Chemical Abstracts Service.</li> <li>ATE: Acute Toxicity Estimate.</li> <li>LCso: Lethal Concentration to 50 % of a test population.</li> <li>LDso: Lethal Dose to 50% of a test population (Median Lethal Dose).</li> <li>ECso: 50% of maximal Effective Concentration.</li> <li>PBT: Persistent, Bioaccumulative and Toxic substance.</li> <li>vPvB: Very Persistent and Very Bioaccumulative.</li> </ul>
Classification abbreviations and acronyms	Eye Dam. = Serious eye damage Skin Irrit. = Skin irritation STOT SE = Specific target organ toxicity-single exposure
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/ This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect preapared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.
Classification procedures according to Regulation (EC) 1272/2008	Eye Dam. 1 - H318: STOT SE 3 - H335: Skin Irrit. 2 - H315: : Expert judgement., On basis of test data.

Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
Issued by	Bülent Özdemir / CRAD gbf@crad.com.tr
Note to organizer	The certificate information is used exclusively for this SDS. No changes can be made to this SDS without the knowledge and approval of the certificate holder or the certificate information can not be used for another SDS. Otherwise, the certificate will assume no responsibility for the owner SDS.
Revision date	20/10/2020
Revision	2,0
Supersedes date	15/12/2014
SDS number	001-8807
Hazard statements in full	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.