



TOROS TARIM

SAFETY DATA SHEET

Calcium Nitrate Horticultural Grade

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.
According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

Product name Calcium Nitrate Horticultural Grade

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

Identified uses Nitrogen-calcium fertilizer for a regenerative fertilization of winter crops and in particular for additional fertilization during the vegetation time.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Toros Tarım Sanayi ve Ticaret A.Ş.
Head office: Tekfen Tower Büyükdere Cad. No: 209
34394 4. Levent Şişli / İstanbul-Turkey
Tel: +90 212 357 02 02 Fax: +90 212 357 02 31
www.toros.com.tr

1.4. Emergency telephone number

Emergency telephone Toros Tarım/Mersin Production Facilities - Tel: +90 324 234 3100

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Eye Dam. 1 - H318

Environmental hazards Not Classified

Additional information Classification (Regulation (EC) No. 1272/2008).

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H302 Harmful if swallowed.
H318 Causes serious eye damage.

Precautionary statements P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains Calcium Nitrate



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2.3. Other hazards

Depending on concentration, the dust from the granulated fertilizer irritates the skin, air passages and eyes.
The irritating effect is increased by the influence of humidity or due to sweating.
The product has an adverse impact on the oxygen balance in waters.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Calcium Nitrate	70-80%
CAS number: 10124-37-5	EC number: 233-332-1

Classification

Ox. Sol. 3 - H272
Acute Tox. 4 - H302
Eye Dam. 1 - H318

Ammonium nitrate	5-10%
CAS number: 6484-52-2	EC number: 229-347-8
REACH ANNEX XVII. SCL:Eye Irrit. 2 - H319: 80 < C ≤ 100 %	

Classification

Ox. Sol. 2 - H272
Eye Irrit. 2 - H319

The full text for all hazard statements is displayed in Section 16.

Ingredient notes Specific Concentration Limits - ammonium nitrate: Eye Irrit. 2: 80 % < C ≤ 100 %

SECTION 4: First aid measures

4.1. Description of first aid measures

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 keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel. 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. Get medical attention.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention.
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. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.



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

General information	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. Depending on concentration, the dust from the granulated fertilizer irritates the skin, air passages and eyes. The irritating effect is increased by the influence of humidity or due to sweating. The product has an adverse impact on the oxygen balance in waters.
Inhalation	No specific symptoms known.
Ingestion	May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.
Skin contact	Prolonged contact may cause dryness of the skin. May cause irritation.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Redness.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Extinguishing powders. Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	This product is toxic.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	No action shall be taken without appropriate training or involving any personal risk. 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. Avoid inhalation of dust. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Do not eat, drink or smoke when using this product.
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6.2. Environmental precautions

Environmental precautions	Clear up spills immediately and dispose of waste safely. Avoid discharge into drains or watercourses or onto the ground.
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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. Clear up spills immediately and dispose of waste safely. Provide adequate ventilation. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Liquidation in a dry way, for the disposal, we recommend to utilize composting plants.

6.4. Reference to other sections

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 storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Container must be kept tightly closed when not in use. Do not handle broken packages without protective equipment. Do not reuse empty containers. Take care as floors and other surfaces may become slippery.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing. 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 storage, including any incompatibilities

Storage precautions Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. The fertilizer is to be stored in bulk, in piles up to 6m height, distant from each other minimum 2m, or in departments (boxes). The piles and the departments must be signed with the fertilizer name. The storage area floor should be leak-tight, jointless and not absorbent. A packed fertilizer is to be stored in bags, piled one upon the other up to a height of maximum 1,5m or upon pallets up to a height of maximum 3,5m. It must be protected from a direct solar radiation and a radiant heat, otherwise a destruction of pellets and a hardening of the fertilizer occurs. Protect from moisture. It is recommended to cover the stored fertilizer with PE tarpaulin.

Storage class Chemical storage.

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

Ammonium nitrate

TLV/TWA: 10 mg/m³; ACGIH (Tab. 1995-96)

PEL: 15 mg/m³; OSHA (total powder), 5mg/m³; inhalable value

Ingredient comments No exposure limits known for ingredient(s).

Ammonium nitrate (CAS: 6484-52-2)



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DNEL	Workers - Dermal; Long term systemic effects: 21,3 mg/kg bw/d Workers - Inhalation; Long term systemic effects: 37,6 mg/m ³ Consumer - Dermal; Acute systemic effects: 12,8 mg/kg bw/d Consumer - Inhalation; Acute systemic effects: 11,1 mg/m ³ Consumer - Oral; Acute systemic effects: 12,8 mg/kg bw/d
PNEC	Fresh water; 0,45 mg/l marine water; 0,045 mg/l STP; 18 mg/l

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 that provides appropriate eye and face protection should be worn. 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, wear gloves that are proven to be impervious to the chemical and resist degradation. 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.
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 'UKCA'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used.



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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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid.
Colour	white to ochre hygroscopic granules of size between 2 and 5 mm
Odour	Odourless.
Odour threshold	No information available.
pH	pH (diluted solution): 5-7 (10% solution)
Melting point	No information available.
Initial boiling point and range	No information available.
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	No information available.
Solubility(ies)	Soluble in water.
Auto-ignition temperature	No information available.
Viscosity	No information available.
Explosive properties	Not considered to be explosive.
Oxidising properties	No information available.
9.2. Other information	
Other information	The fertilizer is strongly hygroscopic.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable at normal ambient temperatures and when used as recommended.

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 Reacts with strong alkali and form ammonia.

10.4. Conditions to avoid

Conditions to avoid Do not pressurise, cut, weld, drill, grind or otherwise expose containers to heat or sources of ignition.



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10.5. Incompatible materials

Materials to avoid Avoid contact with flammable/combustible materials.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Nitrogen Oxides (NOx) Ammonia.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No1272/2008

Acute toxicity - oral

Notes (oral LD₅₀) Acute Tox. 4 - H302 Harmful if swallowed.

ATE oral (mg/kg) 649.35

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

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

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 Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard



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Aspiration hazard	Not relevant. Solid.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Depending on concentration, the dust from the granulated fertilizer irritates the skin, air passages and eyes. The irritating effect is increased by the influence of humidity or due to sweating.
Inhalation	No specific symptoms known.
Ingestion	May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Redness.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.

11.2. Information on other hazards

Information on other hazards

Toxicological information on ingredients.

Calcium Nitrate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,000.0

Species Rat

Notes (oral LD₅₀) (OECD Guideline 423) CALCIUM NITRATE TETRAHYDRATE

ATE oral (mg/kg) 1,000.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg/day, Dermal, Rat

Skin corrosion/irritation

Skin corrosion/irritation Not irritating. (OECD 404) Rabbit

Serious eye damage/irritation

Serious eye damage/irritation Not irritating. Rabbit (OECD 405)

Ammonium nitrate

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 2950 mg/kg, Oral, Rat (OECD Test Guideline 401)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >5000 mg/kg, Dermal, Rat (OECD Test Guideline 402)
LD₅₀ 2217 mg/kg, Oral, Rat [Europe Chemicals Bureau, IUCLID, January 22, 2007]
LD₅₀ 4500 mg/kg, Oral, Rat [{Canada Environment, Tech Info for Problem Spills: s.59 (1981)}]
LD₅₀ 2800 mg/kg bw/d, Oral, Rat [Europe Chemicals Bureau, IUCLID, January 22, 2007]



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Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC50 >88,8 mg/l, 4 hour, Rat [Europe Chemicals Bureau, IUCLID, January 22, 2007]

Carcinogenicity

IARC carcinogenicity IARC Group 2A Probably carcinogenic to humans.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Based on available data the classification criteria are not met.

Ecological information on ingredients.

Calcium Nitrate

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hour: >98,9 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 24 hour: 490 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 10 day: <1700 mg/l, Nitzschia dubiformis, Amphiprora c.f. paludosa

Chronic aquatic toxicity

NOEC-Fish 96h-LC50 > 100 mg/L (Potassium sodium nitrate)

Ammonium nitrate

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hour: 447 mg/l, Cyprinus carpio (Common carp)
LC₅₀, 48 hour: 1,15-1,72 mg NH₃/L , Cyprinus carpio (Common carp)
LC₅₀, 96 hour: 420-1360 mg NO₃/L ,

Acute toxicity - aquatic invertebrates EC₅₀, : 555 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, : 83 mg/l, Scenedesmus quadricauda

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, Max. 7 day: 300 mg/l, Bullia digitalis

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

Calcium Nitrate

Persistence and degradability Substance is inorganic. Not applicable.



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Biodegradation

Readily biodegradation study does not need to be conducted since the substance is inorganic. In addition, biodegradation of nitrate can occur under anaerobic conditions, both under natural conditions and as a controlled process in many wastewater treatment plants, resulting in degradation products like nitrite, oxide of nitrogen, nitrogen, or ammonia. Nitrate degradation is fastest in anaerobic conditions. In the anaerobic transformation of nitrate into N₂, N₂O and NH₃, the biodegradation rate in wastewater plant at 20 degrees Celsius is 70 g N/kg dissolved solid/day.

Ammonium nitrate

Persistence and degradability It can be resolvable spontaneously in the nature.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation. Low potential.

Ecological information on ingredients.

Calcium Nitrate

Bioaccumulative potential

Simple inorganic salts with high aqueous solubility will exist in a dissociated form in an aqueous solution. Such a substance has a low potential for bioaccumulation.

Ammonium nitrate

Bioaccumulative potential

Bioaccumulation is unlikely.

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility No data available.

Ecological information on ingredients.

Ammonium nitrate

Mobility

No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

Endocrine disrupting properties

No data available.

Ecological information on ingredients.

Ammonium nitrate

Results of PBT and vPvB assessment

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

12.7. Other adverse effects

Other adverse effects

None known.

Ecological information on ingredients.



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Ammonium nitrate

Other adverse effects

Ammonium nitrate is a nutrition for algae in water. When ammonium nitrate is poured into static water, it can causes reproduction of big algae and it affects the population of local species. In anaerobic soil, nitrate ions can transform into nitrite, molecular nitrogen, nitrogen oxide or ammonium ions.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. 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. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. 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

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.



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14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk according to IMO instruments Not applicable.

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). Commission Regulation (EU) 2020/878 of 18 June 2020. Commission Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) 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).
Restrictions (Annex XVII Regulation 1907/2006)	No specific restrictions on use are known for this product.
Seveso Directive - Control of major accident hazards	Not relevant.

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	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). EC ₅₀ : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Classification abbreviations and acronyms	Acute Tox. = Acute toxicity Eye Dam. = Serious eye damage
Key literature references and sources for data	This SDS is prepared based on the information received from the product owner. Source: European Chemicals Agency, http://echa.europa.eu/
Classification procedures according to SI 2019 No. 720 and Regulation (EC) No. 1272/2008	Acute Tox. 4 - H302: Eye Dam. 1 - H318: : Calculation method.
Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
Revision comments	This is the first issue.

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Issued by	Büşra Tarakci / CRAD gbf@crad.com.tr Tel.:+90 216 3354600
Note to organizer	<p>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.</p> <p>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 prepared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.</p>
Revision date	22/12/2022
Revision	2.0
Supersedes date	19/12/2018
SDS number	8690
Hazard statements in full	H272 May intensify fire; oxidiser. H302 Harmful if swallowed. H318 Causes serious eye damage. H319 Causes serious eye 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.