

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.**1.1 Product identifier.**Product Name: D-WASH Ecolabel
UFI: 6K80-X0TF-U00G-YFHV**1.2 Relevant identified uses of the substance or mixture and uses advised against.**Identified use: dishwasher, professional and domestic use.
Uses not recommended: none.**1.3 Details of the supplier of the safety data sheet.**Company: **GREENDET, LDA**
Address: Urbanização do Cardal, lote 6
Province: Coimbra
Telephone: + 351 239 952 216
Fax: + 351 239 952 216
E-mail: geral@greendet.pt
Web: www.greendet.pt**1.4 Emergency telephone number: (Available 24 hours)****SECTION 2: HAZARDS IDENTIFICATION.****2.1 Classification of the substance or mixture.**In accordance with Regulation (EC) No 1272/2008:
Eye Irrit. 2: Causes serious eye irritation.
Skin Irrit. Category 2 (H315).**2.2 Label elements.****Labelling in accordance with Regulation (EC) No 1272/2008:**

Pictograms:



Signal Word:

Danger

Hazard statements:

H319 Causes serious eye irritation.
H315 Causes skin irritation

Precautionary statements:

P101 If swallowed, seek medical advice immediately and show this container or label.
P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/eye protection.
P332+P313 If skin irritation occurs: Get medical advice/attention.**2.3 Other hazards.**

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.**3.1 Substances.**

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
N. Índice: 011-005-00-2 N. CAS: 497-19-8 N. CE: 207-838-8 N. registro: 01-2119485498-19-XXXX	Sodium Carbonate	10 - 75 %	Eye Irrit. 2, H319	-
N. CAS: 15630-89-4 N. CE: 239-707-6 N. registro: 01-2119457268-30-XXXX	Disodium carbonate, compounded with hydrogen peroxide (2:3)	7.5 - 25 %	Acute Tox. 4, H302 - Eye Dam. 1, H318 - Ox. Sol. 2, H272	Eye Irrit. 2, H319: 7,5% ≤ C < 25% Eye Dam. 1, H318: C ≥ 25%
N. CAS: 1344-09-8 N. CE: 215-687-4 N. registro: 01-2119448725-31-XXXX	Sodium silicate	7 - 15 %	Irritación ocular. 2, H319 Irritación cutánea. 2, H315, Irritación de las vías respiratorias. 3, H335	-
N. CAS: 5949-29-1 N. CE: 201-069-1 N. registro: 01-2119457026-42-XXXX	Citric acid monohydrate	1 – 5 %	Irritación ocular. 2, H319	-
N. CAS: 166736-08-9	Long-chain alcohol, alkoxyolate	1 – 5 %	Irritación ocular. 2, H319 Irritación cutánea. 2, H315	-

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

[2] Substance with a national workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt, or if symptoms of discomfort persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation.

Move the affected person to fresh air, keep them warm and at rest. If breathing is irregular or stops, administer artificial respiration.

Eye contact.

Flush eyes thoroughly with clean, fresh water for at least 10 minutes, gently lifting the eyelids, and seek medical assistance. Do not allow the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin thoroughly with soap and water or a suitable skin cleanser. NEVER use solvents or thinners. Personal protective equipment (PPE) is recommended for first aid providers (see section 8).

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep the person at rest. NEVER induce vomiting.

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

Corrosive product. Contact with eyes or skin may cause burns. Ingestion or inhalation may cause internal damage. In such cases, immediate medical attention is required.

Eye contact may cause irreversible damage.

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

Seek immediate medical help. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, clear the airway. Cover the affected area with a dry, sterile dressing. Protect the affected area from pressure or friction.

SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable. In case of fire, the following measures should be followed:

5.1 Extinguishing media.**Suitable extinguishing media:**

Extinguishing powder or CO₂. In case of more serious fires, also use alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct water jet for extinguishing. In the presence of electrical voltage, it is not acceptable to use water or foam as an extinguishing medium.

5.2 Special hazards arising from the substance or mixture.**Special risks.**

Exposure to combustion or decomposition products may be harmful to health. During a fire, and depending on its magnitude, the following may be produced:
- Flammable vapors or gases

5.3 Advice for firefighters.

Cool tanks, cisterns, or containers near the heat source or fire with water. Take wind direction into account. Prevent firefighting products from entering sewers, drains, or waterways. Firefighting products and extinguishing agents can contaminate aquatic environments. Follow the instructions outlined in the fire emergency and evacuation plans, if available.

Fire protection equipment.

Depending on the size of the fire, it may be necessary to wear thermal protective clothing, self-contained breathing apparatus, gloves, safety goggles or masks, and boots. During firefighting, and depending on the size of and proximity to the fire, additional protective equipment such as chemical-resistant gloves, heat-reflective clothing, or airtight clothing may be required.

SECTION 6: ACCIDENTAL RELEASE MEASURES.**6.1 Personal precautions, protective equipment and emergency procedures.**

Eliminate all sources of ignition and ventilate the area. Do not smoke. Avoid breathing vapors. For exposure controls and personal protective measures, see section 8.

6.2 Environmental precautions.

This product is hazardous to the environment. In case of significant spills or if the product contaminates lakes, rivers, or drains, inform the relevant authorities in accordance with local regulations. Prevent contamination of wastewater, surface or groundwater, and soil.

6.3 Methods and material for containment and cleaning up.

Contain and collect the spill with inert absorbent material (earth, sand, vermiculite, diatomaceous earth, etc.) and clean the area immediately with a suitable decontaminant.
Dispose of waste in suitable, closed containers in accordance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.
For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.**7.1 Precautions for safe handling.**

The vapors are heavier than air and can spread along the ground. They can form explosive mixtures with air. Avoid creating flammable or explosive vapor concentrations in the air; avoid vapor concentrations exceeding exposure limits during work. The

product should only be used in areas where all open flames and other ignition sources have been eliminated. Electrical equipment must be protected in accordance with applicable regulations.

The product can become electrostatically charged: always use grounded outlets when transferring it. Workers should wear antistatic footwear and clothing, and floors should be conductive.

Keep the container tightly closed and away from heat, sparks, and open flames. Do not use tools that can produce sparks.

Avoid contact with skin and eyes. Avoid inhaling vapors and mists produced during spraying. For information on personal protection, see section 8.

Smoking, eating, and drinking are prohibited in the application area. Comply with all applicable health and safety regulations.

Never use pressure to empty the containers; they are not pressure resistant. Store the product in containers made of the same material as the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 ° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

DNEL/DMEL concentration levels:

Name	DNEL/DMEL	Type	Value
Sodium carbonate N. CAS: 497-19-8 N. CE: 207-838-8	DNEL (Consumers)	Inhalation, chronic and systemic effects	10 (mg/m ³)
	DNEL (Workers)	Inhalation, chronic and systemic effects	10 (mg/m ³)

Name	DNEL/DMEL	Type	Valor
Disodium carbonate, compounded with hydrogen peroxide (2:3) N. CAS: 15630-89-4 N. CE: 239-707-6	DNEL (Workers)	Inhalation, chronic and systemic effects	5 (mg/m ³)
	DNEL (Consumers)	Inhalation, chronic and systemic effects	6,4 (mg/m ³)
	DNEL (Consumers)	Inhalation, chronic and systemic effects	12,8 (mg/cm ²)

Name	DNEL/DMEL	Type	Valor
Sodium silicate N. CAS: 497-19-8 N. CE: 207-838-8	DNEL (Consumers)	Inhalation, chronic and systemic effects	0,8 (mg/Kg)
	DNEL (Consumers)	Inhalation, chronic and systemic effects	1,38 (mg/m ³)
	DNEL (Workers)	Inhalation, chronic and systemic effects	5,61 (mg/cm ³)
	DNEL (Consumers)	Inhalation, chronic and systemic effects	0,8 (mg/Kg)
	DNEL (Workers)	Inhalation, chronic and systemic effects	1,59 (mg/Kg)

DNEL: Derived No Effect Level, the level of exposure to the substance below which no adverse effects are expected.






DMEL: Derived Minimal Effect Level, the level of exposure that corresponds to a low risk, which should be considered a minimal tolerable risk.

PNEC: No Expected Effect Concentration, the concentration of the substance below which no negative effects on environmental behavior are expected.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %		
Uses:			
Breathing protection:			
PPE:	Particle filter mask		
Characteristics:	«CE» marking, category III. Made of filtering material, it covers nose, mouth and chin.		
CEN standards:	EN 149		
Maintenance:	Check for any tears, defects, etc. before use. Since it is disposable individual protection equipment, it should be replaced after use.		
Observations:	Does not protect worker unless properly adjusted. Follow the manufacturer's instructions regarding suitable use of the equipment.		
Filter Type needed:	P2		
Hand protection:			
PPE:	Non-disposable protective gloves against chemicals.		
Characteristics:	«CE» marking, category III. Check the list of chemicals for which the glove has been tested.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	A schedule for the periodical replacement of gloves should be established in order to guarantee their replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous than not using gloves, since the pollutant can gradually accumulate in the glove's material.		
Observations:	They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could reduce their strength.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
Eye protection:			
PPE:	Protective goggles against particle impacts.		
Characteristics:	«CE» marking, category II. Eye protector against dust and smoke.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.		
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.		
Skin protection:			
PPE:	Chemical protective clothing		
Characteristics:	«CE» marking, category III. Clothing should fit properly. The level of protection must be set according to a test parameter called BT (Breakthrough Time), which indicates how long it takes for the chemical to pass through the material.		
CEN standards:	EN 464, EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.		
Observations:	The protective clothing's design should facilitate correct positioning, staying in place without moving for the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity.		
PPE:	Anti-static safety footwear against chemicals.		
Characteristics:	«CE» marking, category III. Check the list of chemicals against which the footwear is resistant.		
CEN standards:	EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345		
Maintenance:	For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is observed.		
Observations:	The footwear should be cleaned regularly and dried when damp, although it should not be placed too close to a source of heat in order to avoid any sharp changes in temperature.		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Solid
Color: White

Odor: Characteristic

Melting point: Not applicable/Not available due to the nature/properties of the product.

Freezing point: Not applicable/Not available due to the nature/properties of the product.

Boiling point/Start point/Boiling range: Not applicable/Not available due to the nature/properties of the product.

Flammability: Not flammable

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product.

Upper explosion limit: Not applicable/Not available due to the nature/properties of the product.

Flash point: Not applicable/Not available due to the nature/properties of the product.

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product.

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product. pH: 10.5

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product.

Solubility: Not applicable/Not available due to the nature/properties of the product.

Water solubility: Not applicable/Not available due to the nature/properties of the product.

Liposolubility: Not applicable/Not available due to the nature/properties of the product.

Partition coefficient (n-octanol/water) (logarithmic value): Not applicable/Not available due to the nature/properties of the product.

Vapor pressure: Not applicable/Not available due to the nature/properties of the product.

Absolute density: Not applicable/Not available due to the nature/properties of the product.

Relative density: 1.000 kg/L

Vapor density: Not applicable/Not available due to the nature/properties of the product.

Particle characteristics: Not applicable/Not available due to the nature/properties of the product.

9.2 Other information

Not applicable/Not available due to the nature/properties of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present any hazards due to its reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present any possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any type of improper handling.

10.5 Incompatible materials.

No data available.

10.6 Hazardous decomposition products.

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

In the absence of experimental toxicological data on the product, its health risks were assessed based on the properties of the substances, according to the criteria established by the reference standard for its classification. Therefore, consider the concentration of each hazardous substance mentioned in section 3 to assess the toxicological effects resulting from exposure to the product.

Acute effects: Eye contact may cause irritation; symptoms may include redness, swelling, pain, and tearing.

Inhalation of vapors may cause moderate irritation of the upper respiratory tract; skin contact may cause moderate irritation.

Ingestion may cause health problems such as abdominal pain, heartburn, nausea, and vomiting.

Acute effects: Skin contact causes irritation with erythema, swelling, dryness, or cracking. Inhalation of vapors may cause moderate irritation of the upper respiratory tract. Ingestion may cause health problems such as abdominal pain, heartburn, nausea, and vomiting.

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Essay	Species	Value
Ácido cítrico monohidratado	Oral	LD50	Rat	5400 mg/kg bw [1]

		[1] Gigiena i Sanitariya. For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978
	Dermal	LD50 Rabbit >2000 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 100, 1974

Name	Acute toxicity			
	Type	Essay	Species	Value
Carbonato de sodio, compuesto de peróxido de hidrógeno	Oral	LD50	Rat	1034 mg/kg bw [1] [1] Gigiena i Sanitariya. For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978
	Dermal	LD50	Rabbit	1200 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 100, 1974

Name	Acute toxicity			
	Type	Essay	Species	Value
Alcohol de cadena larga, alcoxilato	Oral	LD50	Rat	>2000 mg/kg bw [1] [1] Gigiena i Sanitariya. For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978

Name	Acute toxicity			
	Type	Essay	Species	Value
Silicato de sodio	Oral	LD50	Rat	>3400 mg/kg bw [1] [1] Gigiena i Sanitariya. For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978
	Dermal	LD50	Rabbit	>5000 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 100, 1974
	Inhalation	LD50	Rabbit	22,06 mg/kg

Name	Acute toxicity			
	Type	Essay	Species	Value
Carbonato de sodio	Oral	LD50	Rat	4090 mg/kg bw [1] [1] Gigiena i Sanitariya. For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978
	Dermal	LD50	Rabbit	117 mg/kg bw [1] [1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 100, 1974
	Inhalation	LD50	Rabbit	3,2 mg/l/2h

a) Acute toxicity;
Data not included for classification.

Acute toxicity estimate (ATE):
Mixtures:
Data not included for classification.

b) Skin corrosion/irritation;
Classified product:
Data not included for classification.

c) Serious eye damage/eye irritation;
 Classified product:
 Data not included for classification.

d) Respiratory or skin sensitization;
 Data not included for classification.

e) Germ cell mutagenicity;
 Data not included for classification.

f) Carcinogenicity;
 Data not included for classification.

g) Reproductive toxicity;
 Data not included for classification.

h) Specific target organ toxicity (STOT) - single exposure;
 Based on available data, the classification criteria are not met.

i) Specific target organ toxicity (STOT) - repeated exposure;
 Data not included for classification.

j) Aspiration hazard;
 Data not conclusive for classification.

11.2 Information on other hazards.

Endocrine-disrupting properties.

This product does not contain components with endocrine-disrupting properties that affect human health.

Other information.

No information is available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Essay	Species	Value
Disodium carbonate, hydrogen peroxide compound	Fish	LC50	Fish	70 mg/l (96 h) [1]
				[1] Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows (<i>Pimephales promelas</i>), Vol. 1. Center for Lake Superior Environmental Stud., Univ. of Wisconsin-Superior, Superior, WI :414

Name	Ecotoxicity			
	Type	Essay	Species	Value
Long-chain alcohol, alkoxyolate	Fish	LC50	Fish	100 mg/l (96 h) [1]
				[1] Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows (<i>Pimephales promelas</i>), Vol. 1. Center for Lake Superior Environmental Stud., Univ. of Wisconsin-Superior, Superior, WI :414
	Aquatic invertebrates	LC50	Moluscos	100 mg/L (48 h) [1]
	Aquatic plants	Toxicity threshold	Algae	100 mg/l (72 h) [1]

		[1] Comparison of the Toxicity Thresholds of Water Pollutants to Bacteria, Algae, and Protozoa in the Cell Multiplication Inhibition Test, Water Research Vol. 14. pp. 231 to 241
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Name	Ecotoxicity		
	Type	Essay	Value
Sodium silicate	Fish	LC50	1108 mg/L (96 h) [1]
			[1] Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows (<i>Pimephales promelas</i>), Vol. 1. Center for Lake Superior Environmental Stud., Univ. of Wisconsin-Superior, Superior, WI :414

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available regarding the degradability of the substances present.

No information is available on the persistence and degradability of the product.

The surfactants contained in this product comply with the biodegradability criteria stipulated in Regulation (EC) No 648/2004 on detergents. The data justifying this statement are available to the competent authorities upon request.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

No data available.

12.4 Mobility in soil.

No information is available on mobility in soil.

Disposal in drains or waterways is prohibited.

12.5 Results of PBT and vPvB assessment.

According to available data, the product does not contain PBT or vPvB substances in quantities exceeding 0.1%.

PBT substance: none.

vPvB substance: none.

12.6 Endocrine disrupting properties.

This product does not contain components with endocrine-disrupting properties for the environment.

12.7 Other adverse effects.

No information is available on other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Reuse if possible. Product residues should be considered hazardous waste. The hazards of waste containing any part of this product should be assessed in accordance with applicable legislation.

Disposal should be entrusted to an authorized waste management company, in accordance with national and, where possible, local regulations.

Avoid dispersing the product on the ground, in sewers, or in waterways.

Contaminated packaging

Contaminated packaging should be sent for recovery or disposal in accordance with national waste management regulations.

Recover it if possible.

For the disposal of uncleaned/unrecovered products or packaging, treat them with companies expressly authorized for waste management (recovery or disposal of hazardous waste).

Cleaned/recovered packaging should be disposed of/recovered as special waste.

Never pour the product onto the ground or into groundwater. In your case, refer to the following regulations: 91/156/EEC, 91/689/EEC, 94/62/EC and their subsequent amendments.

SECTION 14: TRANSPORT INFORMATION.

The product should not be considered dangerous according to the regulations concerning the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG Code) and air (IATA).

SECTION 15: REGULATORY INFORMATION.**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

The product complies with Regulation (EC) No 648/2004 on detergents.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A.

The product is affected by Legislative Decree 147/2008 of 29 July on liability for environmental damage.

The product is not affected by Regulation (EU) No 528/2012 on the placing on the market and use of biocides.

The product is not affected by the procedure established in Regulation (EU) No 649/2012 on the export and import of hazardous chemicals.

15.2 Chemical safety assessment.

A chemical safety assessment of the product has not been carried out.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Classification codes:

Ox Sol. 3: Oxidizing solid, Category 3
Acute Tox. 4: Acute oral toxicity, Category 4
Eye Dam. 1: Serious eye damage, Category 1
Eye Irrit. 2: Eye irritation, Category 2
STOT SE 3: Specific target organ toxicity, Category 3
Skin Irrit. 2: Skin irritation, Category 2

Changes regarding to the previous version:

- Modification of specific hazards (SECTION 2.3).
- Changes in the composition of the product (SECTION 3.2).
- Modification in the firefighting measures (SECTION 5.2).
- Modifications in the accidental release measures (SECTION 6.1).
- Modification in the values of the physical and chemical properties (SECTION 9).
- Change in the hazard classification (SECTION 11.1).
- Modification of the classification ADR/IMDG/ICAO/IATA/RID (SECTION 14).
- Elimination of abbreviations and acronyms (SECTION 16).
- Addition of abbreviations and acronyms (SECTION 16).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road.
BCF: Bioconcentration factor.

CEN: European Committee for Standardization.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
IMDG: International Maritime Code for Dangerous Goods.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
NOEC: No observed effect concentration.
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.