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

Consumer
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/

Ingredients according to Regulation (EC) No. 648/2004

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Less than 5%

anionic surfactants, amphoteric surfactants

perfumes

Preservation agents: 2-BROMO-2-NITROPROPANE-1,3-DIOL, GLUTARAL, BENZISOTHIAZOLINONE

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS	x = Conc. %	Classification 1272/2008 (CLP)
CAS 68411-30-3	2,5 ≤ x < 3	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
EC 270-115-0		Aqualic Onionic 5 11412
INDEX -		
Reg. no. 01-2119489428-22		
ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS		
CAS 68891-38-3	1≤x< 1,5	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
EC 500-234-8		
INDEX -		
Reg. no. 01-2119488639-16		
2-BROMO-2-NITROPROPAN-1,3-DIOL		
CAS 52-51-7	0 ≤ x < 0,05	Acute Tox. 4 H302, Acute Tox. 4 H312, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Acute 1 H400 M=10, Aquatic Chronic 2 H411
EC 200-143-0		•
INDEX 603-085-00-8		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

Reg. no. 01-2119980938-15

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Wash contaminated clothing before using it again. INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

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Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with selfcontained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

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SECTION 8. Exposure controls/personal protection

8.1. Control parameters

	1 - PNEC							
Normal value in fresh water				0,268	mg,	/I		
Normal value in marine water				0,027	mg	/I		
Normal value for fresh water sedi	iment			8,1	mg	/kg		
Normal value for marine water sediment				6,8	mg	/kg		
Normal value for water, intermittent release				0,017	mg	/I		
Normal value of STP microorgani	isms			3,43	mg	/I		
Normal value for the terrestrial co				35	mg,	/kg		
Health - Derived no-effect I	level - DNEL / D Effects on consumers	MEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,425 mg/kg bw/d				
Inhalation			1,5	1,5 mg/m3			6	6 mg/m3
Skin				42,5 mg/kg bw/d				85 mg/kg bw/d
ALCOHOLS, C12-14, ETHO Predicted no-effect concentration		FATES, SODIUN	I SALTS					
Normal value in fresh water				0,24	mg	/1		
Normal value in marine water				0,24	mg			
Normal value for fresh water sedi	imont			0,024	mg,			
				0,917	-	-		
Normal value for marine water sediment					mg,	-		
Normal value for water, intermittent release				0,071	mg,	/1		
Normal value of STP microorganisms				10	g/l	14		
Normal value for the terrestrial co	•			7,5	mg,	/kg		
Health - Derived no-effect I	level - DNEL / D Effects on consumers	MEL			Effects on workers			
Davida of averagence								
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
	Acute local	Acute systemic	Chronic local	systemic 15 mg/kg	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	Acute local	Acute systemic	Chronic local	systemic	Acute local		Chronic local	
Oral Inhalation Skin	Acute local	Acute systemic	Chronic local	systemic 15 mg/kg bw/d	Acute local		Chronic local	systemic
Oral Inhalation Skin 2-BROMO-2-NITROPROPA	N-1,3-DIOL	Acute systemic	Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg	Acute local		Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration	N-1,3-DIOL	Acute systemic	Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d		systemic	Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration	N-1,3-DIOL	Acute systemic	Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01	Acute local	systemic	Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration Normal value in fresh water Normal value in marine water	N-1,3-DIOL 1 - PNEC	Acute systemic	Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01 0,001		systemic	Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration Normal value in fresh water Normal value in marine water	N-1,3-DIOL 1 - PNEC	Acute systemic	Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01	mg,	systemic 1 1 1	Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedi	N-1,3-DIOL 1 - PNEC iment	Acute systemic	Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01 0,001	mg.	systemic //	Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedi Normal value for marine water sedi	N-1,3-DIOL 1 - PNEC iment	Acute systemic	Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01 0,001 0,001	mg. mg.	systemic // // // // // // // // // // // // //	Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedi Normal value for marine water se Normal value for marine water se	N-1,3-DIOL - PNEC iment ediment ent release	Acute systemic	Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01 0,001 0,001 0,041 0,003	mg. mg. mg. mg.	systemic A A A Kg A Kg A	Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedi Normal value for marine water se Normal value for marine water se Normal value for water, intermitte Normal value of STP microorgani	N-1,3-DIOL a - PNEC iment ediment ent release isms	Acute systemic	Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01 0,001 0,001 0,001 0,003 0,003	mg. mg. mg. mg. mg. mg.	systemic	Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedi Normal value for marine water se Normal value for marine water se	N-1,3-DIOL - PNEC iment ediment ent release isms pmpartment		Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01 0,001 0,001 0,001 0,003 0,003 0,43	mg, mg, mg, mg, mg, mg, mg,	systemic	Chronic local	systemic 175 mg/m3 2750 mg/kg
Oral Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedi Normal value for marine water sedi Normal value for water, intermitte Normal value of STP microorgani Normal value of the terrestrial co	N-1,3-DIOL iment ad		Chronic local	systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01 0,001 0,001 0,001 0,003 0,003 0,43	mg, mg, mg, mg, mg, mg, mg, mg, mg, mg,	systemic	Chronic local	systemic 175 mg/m3 2750 mg/kg
Inhalation Skin 2-BROMO-2-NITROPROPA Predicted no-effect concentration Normal value in fresh water Normal value in marine water Normal value for fresh water sedi Normal value for marine water se Normal value for marine water se Normal value for marine water se Normal value for the terrestrial co Health - Derived no-effect I	N-1,3-DIOL - PNEC iment ediment ent release isms pmpartment level - DNEL / D Effects on consumers	MEL		systemic 15 mg/kg bw/d 52 mg/m3 1650 mg/kg bw/d 0,01 0,001 0,001 0,001 0,003 0,003 0,43 0,5 Chronic	mg, mg, mg, mg, mg, mg, mg, mg, mg, mg,	systemic systemic 1 1 1 1 1 1 1 1 1 1 1 1 1		systemic 175 mg/m3 2750 mg/kg bw/d

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bw/d

bw/d

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

A	Provided and the second s
Appearance	liquid
Colour	light green
Odour	characteristic
Odour threshold	Not available
рН	5,5
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower flammability limit	Not available
Upper flammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,01 g/ml
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	300 mPa*Sec
Explosive properties	not classified as explosive, contains no explosive substances according to CLP Art. (14 (2))
Oxidising properties	the product is not an oxidizing substance

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9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

2-BROMO-2-NITROPROPAN-1,3-DIOL Decomposes on contact with: water, metals, strong bases.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

2-BROMO-2-NITROPROPAN-1,3-DIOL Avoid exposure to: light, UV rays, moisture.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

2-BROMO-2-NITROPROPAN-1,3-DIOL May develop: nitric oxide, carbon oxides, hydrobromic acid.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information Information not available Information on likely routes of exposure Information not available Delayed and immediate effects as well as chronic effects from short and long-term exposure Information not available Interactive effects Information not available

ACUTE TOXICITY LC50 (Inhalation) of the mixture: Not classified (no significant component) LD50 (Oral) of the mixture: >2000 mg/kg LD50 (Dermal) of the mixture: Not classified (no significant component)

2-BROMO-2-NITROPROPAN-1,3-DIOL LD50 (Oral) 254 mg/kg rat

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LD50 (Dermal) 64 mg/kg rat LC50 (Inhalation) 0,588 mg/l/4h rat

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS LD50 (Oral) 1080 mg/kg rat LD50 (Dermal) > 2000 mg/kg rat

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS LD50 (Oral) > 2000 mg/kg rat LD50 (Dermal) > 2000 mg/kg rat

SKIN CORROSION / IRRITATION Does not meet the classification criteria for this hazard class SERIOUS EYE DAMAGE / IRRITATION Causes serious eye irritation RESPIRATORY OR SKIN SENSITISATION Does not meet the classification criteria for this hazard class GERM CELL MUTAGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification criteria for this hazard class **REPRODUCTIVE TOXICITY** Does not meet the classification criteria for this hazard class STOT - SINGLE EXPOSURE Does not meet the classification criteria for this hazard class STOT - REPEATED EXPOSURE Does not meet the classification criteria for this hazard class ASPIRATION HAZARD Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

12.1. Toxicity

2-BROMO-2-NITROPROPAN-1,3-DIOL	
LC50 - for Fish	20 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	1,6 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	0,25 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	0,08 mg/l
BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS	
LC50 - for Fish	1,67 mg/l/96h
EC50 - for Crustacea	2,9 mg/l/48h
EC50 - for Algae / Aquatic Plants	0,91 mg/l/72h
Chronic NOEC for Fish	0,23 mg/l 72d
Chronic NOEC for Crustacea	0,5 mg/l 7d
Chronic NOEC for Algae / Aquatic Plants	0,5 mg/l 96h
ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS	
LC50 - for Fish	> 1 mg/l/96h Danio rerio
EC50 - for Crustacea	7,2 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	27 mg/l/72h Desmodesmus subspicatus
Chronic NOEC for Fish	0,14 mg/l 28d Oncorhynchus mykiss
Chronic NOEC for Crustacea	0,18 mg/l 21d Daphnia magna
Chronic NOEC for Algae / Aquatic Plants	0,93 mg/l Desmodesmus subspicatus

12.2. Persistence and degradability

2-BROMO-2-NITROPROPAN-1,3-DIOL

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Solub	Solubility in water 286000 mg/l									
Rapid	lly degradable									
BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS Rapidly degradable ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS Rapidly degradable										
12.3. Bioaccumulative potential										
2-BRC	2-BROMO-2-NITROPROPAN-1,3-DIOL									
Partition coefficient: n-octanol/water 0,22										
BCF 3,16										
BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS BCF 159										
12.4. Mobility in soil										
ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS Partition coefficient: soil/water 0,34										
12.5. R	12.5. Results of PBT and vPvB assessment									

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

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14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product Point

3

<u>Substances in Candidate List (Art. 59 REACH)</u> On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH) None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017) WGK 1: Low hazard to waters

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 4	Acute toxicity, category 4
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2

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2 3

Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- Regulation (EU) 200/2017 (II Atp. CLP) of the European Parliament
 Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

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Note for users:

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This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.