

Multisurface Cleaner

Safety Information



Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Date first issue: 01/04/2009 Review date: 26/11/2020 Supersedes version of: 15/11/2019 Version: 6.1

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

1.1. Product identifier

Product form Product name Product code Type of product Product group

- : Mixture
- : MULTISURFACE CLEANER
- : 219
- : Biocidal products (e.g. Disinfectants, pest control), Detergent
- : Mixture

: Cleaner

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

1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec

- : Professional use, Industrial use : Industrial
- For professional use only

Use of the substance/mixture

1.2.2. Uses advised against

No additional information available 1.3. Details of the supplier of the safety data sheet Pluzs Rainton Business Park DH4 5R Houghton Le Spring

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP)





: Danger

CLP Signal word Contains Hazard statements (CLP)

Precautionary statements (CLP)

: 2-aminoethanol, Isotridecanol, ethoxylated : H315 - Causes skin irritation. H318 - Causes serious eye damage. H412 - Harmful to aquatic life with long lasting effects. : P102 - Keep out of reach of children. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves, eye protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P332+P313 - If skin irritation occurs: Get medical advice/attention. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P337+P313 - If eye irritation persists: Get medical advice/attention. P362 - Take off contaminated clothing.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII Contains no PBT/vPvB substances \geq 0.1% assessed in accordance with REACH Annex XIII

Component		
Isotridecanol, ethoxylated (69011-36-5)	PBT: not relevant – no registration required vPvB: not relevant – no registration required	
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isotridecanol, ethoxylated	CAS-no: 69011-36-5 Einecs nr: 931-138-8 REACH-no: Exempted	5 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
3-butoxy-2-propanol	CAS-no: 5131-66-8 Einecs nr: 225-878-4 EG annex nr: 603-052-00-8 REACH-no: 01-2119475527- 28	3 – 5	Eye Irrit. 2, H319 Skin Irrit. 2, H315
Diethylene glycol monobutyl ether substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit	CAS-no: 112-34-5 Einecs nr: 203-961-6 EG annex nr: 603-096-00-8 REACH-no: 01-2119475104- 44	1 – 3	Eye Irrit. 2, H319
2-aminoethanol substance with national workplace exposure limit(s) (AT, BE, BG, DE, DK, EE, ES, FI, FR, GB, GI, GR, HU, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit	CAS-no: 141-43-5 Einecs nr: 205-483-3 EG annex nr: 603-030-00-8 REACH-no: 01-2119486455- 28	1 – 3	Skin Corr. 1B, H314 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Aquatic Chronic 3, H412
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	CAS-no: 68424-85-1 Einecs nr: 270-325-2	1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
Alcohol ethoxylate	CAS-no: 160901-19-9 Einecs nr: 500-457-0 REACH-no: Exempted	< 1	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
2-aminoethanol	CAS-no: 141-43-5 Einecs nr: 205-483-3 EG annex nr: 603-030-00-8 REACH-no: 01-2119486455- 28	(5 ≤C ≤ 100) STOT SE 3, H335	

Full text of H- and EUH-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measu	Jres
General advice	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
Skin contact	: Wash with plenty of water/ Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms an	nd effects, both acute and delayed
Acute effects inhalation	: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Acute effects skin	: Causes skin irritation. Red skin.
Acute effects eyes	: Causes serious eye damage. redness, itching, tears.
Acute effects oral route	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Abdominal pain, nausea.
4.3 Indication of any immediate r	nedical attention and special treatment needed

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

No additional information available

SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media	: Water.		
5.2. Special hazards arising from the substant Hazardous decomposition products in case of fire	ance or mixture : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.		
5.3. Advice for firefighters Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.		
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.		
SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures			

6.1.1. For non-emergency personnel Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions Prevent entry to sewers and public waters. Notify aut	thorities if liquid enters sewers or public waters. Avoid release to the environment.
6.3. Methods and material for containment a Methods for cleaning up	and cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Collect spillage. Store away from other materials.

6.4. Reference to other sections See Section 8. Exposure controls and personal protection.

See Section 6. Exposure controls and per-	
SECTION 7: Handling and stora 7.1. Precautions for safe handling	•
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling.
7.2. Conditions for safe storage, inc	cluding any incompatibilities
Storage conditions	: Store in a cool, well-ventilated place. Keep container closed when not in use.
Packaging materials	: polyethylene. stainless steel.
7.3. Specific end use(s)	

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

2-aminoethanol (141-43-5)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Aminoethanol
IOEL TWA	2.5 mg/m ³
IOEL TWA [ppm]	1 ppm
IOEL STEL	7.6 mg/m ³
IOEL STEL [ppm]	3 ppm
Remark	skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom - Occupational Exposure Limits	
Local name	2-Aminoethanol
WEL TWA (OEL TWA) [1]	2.5 mg/m ³
WEL TWA (OEL TWA) [2]	1 ppm
WEL STEL (OEL STEL)	7.6 mg/m ³
WEL STEL (OEL STEL) [ppm]	3 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Diethylene glycol monobutyl ether (112-34-5)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-(2-Butoxyethoxy)ethanol
IOEL TWA	67.5 mg/m³
IOEL TWA [ppm]	10 ppm
IOEL STEL	101.2 mg/m ³
IOEL STEL [ppm]	15 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
Ireland - Occupational Exposure Limits	
Local name	2-(2-Butoxyethoxy)ethanol
OEL TWA [1]	67.5 mg/m ³
OEL TWA [2]	10 ppm
OEL STEL	101.2 mg/m ³
OEL STEL [ppm]	15 ppm
Remark	IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2021
United Kingdom - Occupational Exposure Limits	
Local name	2-(2-Butoxyethoxy)ethanol
WEL TWA (OEL TWA) [1]	67.5 mg/m ³
WEL TWA (OEL TWA) [2]	10 ppm
WEL STEL (OEL STEL)	101.2 mg/m ³
WEL STEL (OEL STEL) [ppm]	15 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

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8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC No additional information available

8.1.5. Control banding No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection Eye protection: Chemical goggles or safety glasses

8.2.2.2. Skin protection

Protective equipment: Wear suitable protective clothing

Hand protection: Wear protective gloves.

8.2.2.3. Respiratory protection Respiratory protection:

Not required

8.2.2.4. Thermal hazards No additional information available

8.2.3. Environmental exposure controls

Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Physical state/form	: Liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point/range	: 0 °C
Freezing point	: Not available
Boiling point/Boiling range	: 100 °C
Flammability	: Non flammable.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Autoignition temperature	: Not available
Decomposition temperature	: Not available

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Viscosity, kinematic	: Not available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity No additional information available
10.2. Chemical stability Stable under normal conditions.
10.3. Possibility of hazardous reactions No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid No additional information available
10.5. Incompatible materials No additional information available
10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (inhalation)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (oral)	: Not classified

2-aminoethanol (141-43-5)	
LD50 oral rat	1515 mg/kg
LD50 dermal rabbit	2504 mg/kg
3-butoxy-2-propanol (5131-66-8)	
LD50 oral rat	3300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2800 - 4500
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat (Vapours)	35 mg/l/4h
Diethylene glycol monobutyl ether (112-34-5)	
LD50 oral rat	6600 mg/kg bodyweight
LD50 dermal rabbit	2764 mg/kg bw/day
LC50 Inhalation - Rat (Dust/Mist)	> 196 mg/l
Isotridecanol, ethoxylated (69011-36-5)	
LD50 oral rat	> 300 (≤ 2000) mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
LD50 oral rat	795 mg/kg

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	ed by Regulation (LO) 2020/070
Skin corrosion/irritation	: Causes skin irritation. pH: 11 – 11.4
Isotridecanol, ethoxylated (69011-36-5)	
pH	5 – 7
Quaternary ammonium compounds, benzy	l (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)
pH	6-9
Serious eye damage/irritation	: Causes serious eye damage.
	pH: 11 – 11.4
Isotridecanol, ethoxylated (69011-36-5)	
рН	5 - 7
Quaternary ammonium compounds, benzy	I (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)
рН	6 – 9
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure Additional information	: Not classified
	: Based on available data, the classification criteria are not met
2-aminoethanol (141-43-5)	
STOT-single exposure	May cause respiratory irritation.
Isotridecanol, ethoxylated (69011-36-5)	
NOAEL (oral, rat)	> 250 mg/kg bodyweight
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
3-butoxy-2-propanol (5131-66-8)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	350 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
11.2. Information on other hazards	
11.2.1. Endocrine disrupting properties	
11.2.2. Other information Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met
SECTION 12: Ecological information 12.1. Toxicity Ecology - water	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term	: Not classified
(acute) Hazardous to the aquatic environment, long-term (chronic) Not rapidly degradable	: Harmful to aquatic life with long lasting effects.

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3-butoxy-2-propanol (5131-66-8)	
LC50 - Fish [1]	> 560 mg/l Poecilia reticulata (Guppy)
EC50 - Crustacea [1]	> 1000 mg/l
Diethylene glycol monobutyl ether (112-34-5)	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 1000 mg/l
EC50 - Other aquatic organisms [1]	> 1000 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 100 mg/l
ErC50 algae	> 100 mg/l
Alcohol ethoxylate (160901-19-9)	
LC50 - Fish [1]	0.1 – 1 mg/l (Danio rerio - OESO 203 - ECHA)
EC50 - Crustacea [1]	0.1 - 1 mg/l (Daphnia magna - ECHA)
ErC50 algae	0.1 – 1 mg/l
NOEC chronic fish	> 0.1 mg/l
NOEC chronic algae	0.14 mg/l (CESIO)
Isotridecanol, ethoxylated (69011-36-5)	
LC50 - Fish [1]	> 1 mg/l
EC50 - Crustacea [1]	> 1 mg/l
ErC50 algae	1 – 10 mg/l
	C12 - C16) alkyl dimethyl, chlorides (68424-85-1)
LC50 - Fish [1]	0.85 mg/l
EC50 - Crustacea [1]	0.016 mg/l
EC50 72h - Algae [1]	0.02 mg/l
NOEC chronic crustacea	0.025 mg/l
12.2. Persistence and degradability	
MULTISURFACE CLEANER	
Persistence and degradability	Biodegradable. 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.
3-butoxy-2-propanol (5131-66-8)	
Biodegradation	90 % (28 d)
Diethylene glycol monobutyl ether (112-34-5)	
Persistence and degradability	Readily biodegradable.
Alcohol ethoxylate (160901-19-9)	
Persistence and degradability	Readily biodegradable.
Isotridecanol, ethoxylated (69011-36-5)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test. Not established.
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)	
Persistence and degradability	Biodegradable.
Biodegradation	> 90 %
12.3. Bioaccumulative potential	
MULTISURFACE CLEANER	
Bioaccumulative potential	No bioaccumulation.

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3-butoxy-2-propanol (5131-66-8)		
Log Pow 1.2		
Diethylene glycol monobutyl ether (112-34-5)		
Log Pow	0.56	
Bioaccumulative potential	No bioaccumulation.	
Alcohol ethoxylate (160901-19-9)		
Partition coefficient n-octanol/water (Log Kow)	< 4 Not applicable	
Bioaccumulative potential	No bioaccumulation.	
Isotridecanol, ethoxylated (69011-36-5)		
Bioaccumulative potential	No bioaccumulation. Not established.	
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides (68424-85-1)		
Partition coefficient n-octanol/water (Log Kow)	2.88	
Bioaccumulative potential	No bioaccumulation.	
12.4. Mobility in soil No additional information available		
12.5. Results of PBT and vPvB assessment		
MULTISURFACE CLEANER		
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII		
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
12.6. Endocrine disrupting properties No additional information available		
12.7. Other adverse effects Additional information	: Avoid release to the environment.	
SECTION 13: Disposal considerations 13.1. Waste treatment methods		
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.	

Waste / unused products

HP Code

: Avoid release to the environment.

: HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information In accordance with ADR / IMDG / IATA

ADR	IMDG	ΙΑΤΑ
14.1. UN number or ID number		·
Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name		·
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		
4.6. Special precautions for user		
Overland transport		
Not regulated		

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Transport by sea

Not regulated

Air transport

Not regulated

14.7. 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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List) Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Detergent Regulation (648/2004)

Labelling of contents	
Component	%
non-ionic surfactants	5-15%
disinfectants	

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources

: 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4		

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Full text of H- and EUH-statements:		
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.