

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 10/5/2017 Revision date: 9/1/2023 Supersedes version of: 8/18/2023 Version: 4.0

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

1.1. Product identifier

Product form	: Mixture
Product name	: POLAR BLAST
UFI	: 7890-J065-400J-UWWA
Product code	: PB002.5, PB002.5AU, PB002.5NS, PB002.5SW/F
Type of product	: Detergent
Internal Identification	: SF/26/190417

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

1.2.1. Relevant identified uses

Intended for general public Use of the substance/mixture

: Detergent for use on motor vehicles.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Autoglym Works Road GB-SG6 1LU Letchworth Garden City T 01462 627766 www.autoglym.com

1.4. Emergency telephone number

Emergency number

: +44 (0) 1462 489498

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
Skin sensitisation, Category 1	H317
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 R	egulation (EC)	No. 1272/2008	[CLP]
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Hazard pictograms (CLP)



	GHS05 GHS07
Signal word (CLP)	: Danger
Contains	: Alcohols, C6-12, ethoxylated; Alcohols, C12-14, ethoxylated, sulfates, sodium salts; 2- methylisothiazol-3(2H)-one
Hazard statements (CLP)	: H315 - Causes skin irritation. H317 - May cause an allergic skin reaction.

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	H318 - Causes serious eye damage.
	H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) :	P310 - Immediately call a POISON CENTER or doctor.
	P332+P313 - If skin irritation occurs: Get medical advice/attention.
	P362 - Take off contaminated clothing.
	P302+P352 - IF ON SKIN: Wash with plenty of water.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
	P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P102 - Keep out of reach of children.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH 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

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
3-Butoxypropan-2-ol substance with national workplace exposure limit(s) (CZ)	CAS-No.: 5131-66-8 EC-No.: 225-878-4 EC Index-No.: 603-052-00-8 REACH-no: 01-2119475527- 28	≥ 10 – < 15	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS-No.: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639- 16	≥ 5 – < 10	Skin Irrit. 2, H315 Eye Dam. 1, H318
Alcohols, C6-12, ethoxylated	CAS-No.: 68439-45-2 EC-No.: 614-481-5	≥3-<5	Eye Dam. 1, H318 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)
Dodecan-1-ol	CAS-No.: 112-53-8 EC-No.: 203-982-0 REACH-no: 01-2119485976- 15	≥1-<3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-methylisothiazol-3(2H)-one substance with national workplace exposure limit(s) (AT, CH)	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9	< 0.1	Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 2 (Inhalation), H330 (ATE=0.05 mg/l/4h) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9	(0.0015 ≤C ≤ 100) Skin Sens. 1A, H317

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation First-aid measures after skin contact	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effects,	both acute and delayed
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause irritation to the digestive tract.

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

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Use extinguishing agent suitable for surrounding fire.
5.2. Special hazards arising from the subst	tance or mixture
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 Not flammable. No direct explosion hazard. Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Nitrogen oxides.

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5.3. Advice for firefighters

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protec	tive equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Protective equipment	: Wear recommended personal protective equipment.	
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	

6.2. Environmental precautions

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containm	nent and cleaning up
Methods for cleaning up	Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4 Reference to other sections	

For further information refer to section 13.

SECTION 7: Handling and stora	age	
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	 Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions Special rules on packaging Packaging materials	 Store in a well-ventilated place. Keep cool. Keep only in original container. Keep only in the original container in a cool,well-ventilated place away from combustible materials. 	

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

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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

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chen	ical properties
9.1. Information on basic physical	and chemical properties
Physical state	: Liquid
Colour	: Colourless.
Appearance	: Liquid.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 100 °C
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable.
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 7.35
pH solution concentration	: 100 %

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Viscosity, kinematic	: Not available
Solubility	: Miscible with 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

The product is non-reactive under normal conditions of use, storage and transport.

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

None under recommended storage and handling conditions (see section 7). Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on hazard classes as defined	d in Regulation (EC) No 1272/2008	
Acute toxicity (dermal)	Not classified Not classified Not classified	
3-Butoxypropan-2-ol (5131-66-8)		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)		
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LD50 oral	> 2000 mg/kg bodyweight	
LD50 dermal rat	≥ 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:	

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LD50 dermal	> 2000 mg/kg bodyweight
Skin corrosion/irritation	: Causes skin irritation. pH: 7.35
2-methylisothiazol-3(2H)-one (2682-2	20-4)
рН	2.58 Temp.: 25 °C Concentration: 50 g/L
Serious eye damage/irritation	: Causes serious eye damage. pH: 7.35
2-methylisothiazol-3(2H)-one (2682-2	20-4)
рН	2.58 Temp.: 25 °C Concentration: 50 g/L
Respiratory or skin sensitisation Germ cell mutagenicity	 May cause an allergic skin reaction. Not classified
Carcinogenicity Reproductive toxicity STOT-single exposure	: Not classified : Not classified : Not classified
Dodecan-1-ol (112-53-8)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
3-Butoxypropan-2-ol (5131-66-8)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study 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 Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	880 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Alcohols, C12-14, ethoxylated, sulfa	tes, sodium salts (68891-38-3)
LOAEL (oral, rat, 90 days)	25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents), Remarks on results: other:
NOAEL (oral, rat, 90 days)	> 225 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90 Day Oral Toxicity Study in Rodents), Remarks on results: other:
2-methylisothiazol-3(2H)-one (2682-2	20-4)
LOAEL (oral, rat, 90 days)	71.2 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28- Day Oral Toxicity Study in Rodents), Guideline: other:
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

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Not rapidly degradable		
3-Butoxypropan-2-ol (5131-66-8)		
LC50 - Fish [1]	560 – 1000 mg/l Test organisms (species): Poecilia reticulata	
EC50 - Crustacea [1]	> 1000 mg/l Test organisms (species): Daphnia magna	
EC50 96h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
Alcohols, C12-14, ethoxylated, sulfates, sodiu	ım salts (68891-38-3)	
LC50 - Fish [1]	> 1 mg/l	
EC50 - Crustacea [1]	7.4 mg/l Test organisms (species): Daphnia magna	
EC50 - Other aquatic organisms [1]	> 1 mg/l waterflea	
EC50 - Other aquatic organisms [2]	> 10 mg/l	
EC50 72h - Algae [1]	27.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
NOEC (chronic)	0.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	0.14 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'	
2-methylisothiazol-3(2H)-one (2682-20-4)		
LC50 - Fish [1]	4.77 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	1.6 mg/l Test organisms (species): Daphnia magna	
12.2. Persistence and degradability		
No additional information available		
12.3. Bioaccumulative potential		
No additional information available		
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessment		
No additional information available		
12.6. Endocrine disrupting properties		
No additional information available		
12.7. Other adverse effects		

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods	 Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

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HP Code

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: HP3 - "Flammable:"
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− flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and \leq 75 °C;

 flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;

- flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;

– flammable gaseous waste: gaseous waste which is flammable in air at 20 $^\circ\text{C}$ and a standard pressure of 101.3 kPa;

- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;

 – other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

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 / ADN / RID

ADR	IMDG	ADN	RID
4.1. UN number or ID num	ber		
Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea Not regulated

Inland waterway transport Not regulated

Rail transport Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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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 substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Detergent Regulation (648/2004)

Ingredient data sheet		
Component	CAS-No.	%
3-butoxypropan-2-ol; propylene glycol monobutyl ether	5131-66-8	≥10%
SODIUM LAURETH SULFATE	68891-38-3	1 - 10%
Alcohols, C6-12, ethoxylated	68439-45-2	1 - 10%
Dodecan-1-ol	112-53-8	1 - 10%
MYRISTYL ALCOHOL	112-72-1	0.1 - 1%
Parfum		0.1 - 1%
2-methylisothiazol-3(2H)-one	2682-20-4	<0.1%

Labelling of contents	
Component %	
non-ionic surfactants, anionic surfactants 5-15%	
perfumes	

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 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 the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

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Full text of H- and EUH-statements: Acute Tox: 2 (Inhalation) Acute toxicity (Inhal.), Category 2 Acute Tox: 3 (Oral) Acute toxicity (dermal), Category 3 Acute Tox: 3 (Oral) Acute toxicity (oral), Category 4 Acute Tox: 4 (Oral) Acute toxicity (oral), Category 4 Aquatic Acute 1 Hazardous to the aquatic environment – Acute Hazard, Category 1 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 3 EUH071 Corrosive to the aquatic environment – Chronic Hazard, Category 3 EUH071 Corrosive to the aquatic environment – Chronic Hazard, Category 3 EUH071 Corrosive to the respiratory tract. Eye Dam. 1 Serious eye damage/eye irritation, Category 2 H301 Toxic ir swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes serious eye damage. H315 Causes serious eye damage. H316 Causes serious eye irritation. H317 May cause en allergic skin reaction. H318 Causes serious eye irritation. H330 Fatal if inhaled. H335	SECTION 16: Other information		
Acute Tox. 3 (Dermal)Acute toxicity (dermal), Category 3Acute Tox. 3 (Oral)Acute toxicity (oral), Category 3Acute Tox. 4 (Oral)Acute toxicity (oral), Category 4Aquatic Acute 1Hazardous to the aquatic environment – Acute Hazard, Category 1Aquatic Chronic 1Hazardous to the aquatic environment – Chronic Hazard, Category 3Aquatic Chronic 3Hazardous to the aquatic environment – Chronic Hazard, Category 3EUH071Corrosive to the respiratory tract.Eye Dam. 1Serious eye damage/eye irritation, Category 2H301Toxic if swallowed.H312Paroful if swallowed.H314Causes severe skin burns and eye damage.H315Causes sevire skin irritation.H318Causes serious eye damage.H319Causes serious eye damage.H319Causes serious eye damage.H319Cause serious eye irritation.H319Cause serious eye irritation.H310Vary cause an allergic skin reaction.H311May cause an allergic skin reaction.H312May cause are respiratory irritation.H313Causes serious eye irritation.H314Causes serious eye irritation.H315May cause respiratory irritation.H319Causes serious eye irritation.H330Fatal if inhaled.H335May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Hamful to aquatic life with long lasting	Full text of H- and EUH-statements:		
Acute Tox. 3 (Oral)Acute toxicity (oral), Category 3Acute Tox. 4 (Oral)Acute toxicity (oral), Category 4Aquatic Acute 1Hazardous to the aquatic environment – Acute Hazard, Category 1Aquatic Chronic 1Hazardous to the aquatic environment – Chronic Hazard, Category 1Aquatic Chronic 3Hazardous to the aquatic environment – Chronic Hazard, Category 3EUH071Corrosive to the respiratory tract.Eye Dam. 1Serious eye damage/eye irritation, Category 2H301Toxic if swallowed.H312Toxic in contact with skin.H314Causes severe skin burns and eye damage.H315Causes serious eye damage.H316Causes serious eye damage.H317May cause an allergic skin reaction.H318Causes serious eye irritation.H319Causes serious eye damage.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1B	Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2	
Acute Tox. 4 (Oral)Acute toxicity (oral), Category 4Aquatic Acute 1Hazardous to the aquatic environment – Acute Hazard, Category 1Aquatic Chronic 1Hazardous to the aquatic environment – Chronic Hazard, Category 1Aquatic Chronic 3Hazardous to the aquatic environment – Chronic Hazard, Category 3EUH071Corrosive to the respiratory tract.Eye Dam. 1Serious eye damage/eye irritation, Category 1BillSerious eye damage/eye irritation, Category 2H301Toxic if swallowed.H302Harmful if swallowed.H311Toxic in contact with skin.H314Causes severe skin burns and eye damage.H315Causes sevin irritation.H316Causes serious eye damage.H317May cause an allergic skin reaction.H318Causes serious eye irritation.H319Causes serious eye irritation.H314Vacuse serious eye damage.H315Causes serious eye irritation.H316Causes serious eye damage.H317May cause an allergic skin reaction.H318Causes serious eye irritation.H330Fatal if inhaled.H330Kay cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corrosion/irritation, Category 1, Sub-Category 1B	Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3	
Aquatic Acute 1Hazardous to the aquatic environment – Acute Hazard, Category 1Aquatic Chronic 1Hazardous to the aquatic environment – Chronic Hazard, Category 1Aquatic Chronic 3Hazardous to the aquatic environment – Chronic Hazard, Category 3EUH071Corrosive to the respiratory tract.Eye Dam. 1Serious eye damage/eye irritation, Category 1Eye Irrit. 2Serious eye damage/eye irritation, Category 2H301Toxic if swallowed.H311Toxic if swallowed.H314Causes severe skin burns and eye damage.H315Causes severe skin burns and eye damage.H316Causes serious eye damage.H317May cause an allergic skin reaction.H318Causes serious eye damage.H330Fatal if inhaled.H333May cause respiratory irritation.H334Causes serious eye damage.H319Causes serious eye damage.H319Cause serious eye damage.H330Fatal if inhaled.H335May cause enspiratory irritation.H336Very toxic to aquatic life.H400Very toxic to aquatic life.H410Very toxic to aquatic life.H412Harmful to aquatic life with long lasting effects.Skin Corr. 18Skin corrosion/irritation, Category 1, Sub-Category 1B	Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Aquatic Chronic 1Hazardous to the aquatic environment – Chronic Hazard, Category 1Aquatic Chronic 3Hazardous to the aquatic environment – Chronic Hazard, Category 3EUH071Corrosive to the respiratory tract.Eye Dam. 1Serious eye damage/eye irritation, Category 1Eye Irrit. 2Serious eye damage/eye irritation, Category 2H301Toxic if swallowed.H302Harmful if swallowed.H311Toxic in contact with skin.H314Causes severe skin burns and eye damage.H315Causes skin irritation.H316Causes seviere skin burns and eye damage.H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye damage.H319May cause an allergic skin reaction.H319Causes serious eye irritation.H319Causes serious eye irritation.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.Skin Corr. 18Skin corrosion/irritation, Category 18	Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 3Hazardous to the aquatic environment – Chronic Hazard, Category 3EUH071Corrosive to the respiratory tract.Eye Dam. 1Serious eye damage/eye irritation, Category 1Eye Irrit. 2Serious eye damage/eye irritation, Category 2H301Toxic if swallowed.H302Harnful if swallowed.H314Toxic in contact with skin.H314Causes severe skin burns and eye damage.H315Causes severe skin burns and eye damage.H316Causes severe skin inritation.H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye damage.H319Sates serious eye inritation.H330Fatal if inhaled.H330Fatal if inhaled.H331May cause respiratory irritation.H340Very toxic to aquatic life.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.Skin Corr. HBSkin corrosion/irritation, Category 1, Sub-Category 1B	Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
EUH071Corrosive to the respiratory tract.Eye Dam. 1Serious eye damage/eye irritation, Category 1Eye Irrit. 2Serious eye damage/eye irritation, Category 2H301Toxic if swallowed.H302Harmful if swallowed.H311Toxic in contact with skin.H314Causes severe skin burns and eye damage.H315Causes skin irritation.H316Causes sevin skin reaction.H317May cause an allergic skin reaction.H318Causes serious eye damage.H330Fatal if inhaled.H335May cause respiratory irritation.H336Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1	
Eye Dam. 1Serious eye damage/eye irritation, Category 1Eye Irrit. 2Serious eye damage/eye irritation, Category 2H301Toxic if swallowed.H302Harmful if swallowed.H311Toxic in contact with skin.H314Causes severe skin burns and eye damage.H315Causes sevin burns and eye damage.H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye damage.H330Fatal if inhaled.H335May cause respiratory irritation.H336May cause angle to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Eye Irit. 2Serious eye damage/eye irritation, Category 2H301Toxic if swallowed.H302Harnful if swallowed.H311Toxic in contact with skin.H314Causes severe skin burns and eye damage.H315Causes sevire skin irritation.H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye irritation.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.Kin corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	EUH071	Corrosive to the respiratory tract.	
H301Toxic if swallowed.H302Harmful if swallowed.H311Toxic in contact with skin.H314Causes severe skin burns and eye damage.H315Causes severe skin burns and eye damage.H316Causes severe skin irritation.H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye damage.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
H302Harmful if swallowed.H311Toxic in contact with skin.H314Causes severe skin burns and eye damage.H315Causes skin irritation.H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye damage.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin corrosion/irritation, Category 1, Sub-Category 1B	Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H311Toxic in contact with skin.H314Causes severe skin burns and eye damage.H314Causes skin irritation.H315Causes skin irritation.H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye irritation.H330Fatal if inhaled.H335May cause are sepiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H301	Toxic if swallowed.	
H314Causes severe skin burns and eye damage.H315Causes skin irritation.H315Causes skin irritation.H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye irritation.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H302	Harmful if swallowed.	
H315Causes skin irritation.H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye irritation.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H311	Toxic in contact with skin.	
H317May cause an allergic skin reaction.H318Causes serious eye damage.H319Causes serious eye irritation.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H314	Causes severe skin burns and eye damage.	
H318Causes serious eye damage.H319Causes serious eye irritation.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H315	Causes skin irritation.	
H319Causes serious eye irritation.H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H317	May cause an allergic skin reaction.	
H330Fatal if inhaled.H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H318	Causes serious eye damage.	
H335May cause respiratory irritation.H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H319	Causes serious eye irritation.	
H373May cause damage to organs through prolonged or repeated exposure.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H330	Fatal if inhaled.	
H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H335	May cause respiratory irritation.	
H410Very toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.Skin Corr. 1BSkin corrosion/irritation, Category 1, Sub-Category 1B	H373	May cause damage to organs through prolonged or repeated exposure.	
H412 Harmful to aquatic life with long lasting effects. Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H400	Very toxic to aquatic life.	
Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	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	Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1 Skin sensitisation, Category 1	Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1A Skin sensitisation, category 1A	Skin Sens. 1A	Skin sensitisation, category 1A	
STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	
STOT SE 3 Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

ALTRO 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.