

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878 Revision date: 12/01/2023 Version: 1.0

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

## 1.1. Product identifier

Product form	:	Mixture
Product name	:	Top Dog Conditioner
Product code	:	ATD250

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

#### 1.2.1. Relevant identified uses

Intended for general public	
Main use category	

## Use of the substance/mixture

#### 1.2.2. Uses advised against

Restrictions on use

: Use only for intended applications.

: Animal shampoos and conditioners

: Consumer use

### **1.3. Details of the supplier of the safety data sheet**

Group55 Matrix Park Western Avenue Buckshaw Village PR7 7NB Chorley United Kingdom T +44 (0) 1772 781874 khorton@group55.co.uk

### 1.4. Emergency telephone number

#### Emergency number

: +44 (0) 1772 786864 (Monday to Friday, 09:00 to 17:00 UK)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

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SECTION 2: Hazards identification					
2.1. Classification of the substance or mixt	ure				
Classification according to Regulation (EC) No.	1272/2008 [CLP]				
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					
None under normal use.					
2.2. Label elements					
Labelling according to Regulation (EC) No. 1272	/2008 [CLP]				
Signal word (CLP)	:-				
Hazard statements (CLP)	: H412 - Harmful to aquatic life with long lasting effects.				
Precautionary statements (CLP)	: P273 - Avoid release to the environment.				
	P501 - Dispose of contents/ container in accordance with national regulations.				
Child-resistant fastening	: Not applicable				
Tactile warning	: Not applicable				
2.3. Other hazards					

Other hazards which do not result in classification

: None under normal conditions.

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	
d-limonene (5989-27-5)	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
benzyl alcohol (100-51-6)	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
citral (5392-40-5)	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
Citric acid (77-92-9)	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
Alcohols, C16-18, ethoxylated (68439-49-6)	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
Cetrimonium chloride (112-02-7)	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

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohols, C16-18, ethoxylated	CAS-No.: 68439-49-6 EC-No.: 939-518-5 REACH-no: 01-2119977094- 30	0 – 5	Aquatic Chronic 2, H411
Cetrimonium chloride	CAS-No.: 112-02-7 EC-No.: 203-928-6 REACH-no: 01-2119970558- 23	0 – 1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)

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

dvice/attention if you feel unwell. on to fresh air and keep comfortable for breathing. If experiencing respiratory Il a doctor.
on to fresh air and keep comfortable for breathing. If experiencing respiratory III a doctor.
Il a doctor.
vith plenty of soap and water.
act lenses, if present and easy to do. Continue rinsing. In case of contact, inse eyes with plenty of water for at least 15 minutes. If symptoms persist call
rinse mouth. Do NOT induce vomiting. Drink plenty of water. Get medical on if you feel unwell.
d delayed

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

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	: The product is not flammable. : None.
5.2. Special hazards arising from the subst	tance or mixture
Fire hazard Hazardous decomposition products in case of fire	: None. : None known.
5.3. Advice for firefighters	
Firefighting instructions Protection during firefighting	: None. : Not applicable (aqueous non combustible product).

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SECTION 6: Accidental release me	asures
6.1. Personal precautions, protective e	equipment and emergency procedures
General measures	: Avoid contact with skin and eyes.
6.1.1. For non-emergency personnel	
Protective equipment Emergency procedures	: For further information refer to section 8: "Exposure controls/personal protection". : Not applicable.
6.1.2. For emergency responders	
Protective equipment	: For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containing	nent and cleaning up
Methods for cleaning up	: Contain or absorb spilled liquid with earth or other absorbent material. After cleaning, flush traces away with water. If spilled, may cause the floor to be slippery.
6.4. Reference to other sections	

SECTION 8. SECTION 11. SECTION 13.

SECTION 7: Handling and stora	age
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	<ul> <li>Keep out of reach of children. Avoid contact with skin and eyes.</li> <li>Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse.</li> </ul>
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage conditions Incompatible products	<ul> <li>Store in a well-ventilated place. Keep container tightly closed. Keep cool.</li> <li>Keep away from food, drink and animal feedingstuffs.</li> </ul>
7.3. Specific end use(s)	

Shampoo for pets.

## 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

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

Alcohols, C16-18 (67762-27-0)			
DNEL/DMEL (Workers)			
Acute - systemic effects, dermal	400 mg/kg bodyweight/day		
Acute - systemic effects, inhalation	237.76 mg/m <sup>3</sup>		
Acute - local effects, dermal	1124 mg/cm <sup>2</sup>		

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Alechola, C46, 49 (67762, 27.0)		
Alcohols, C16-18 (67762-27-0)		
Acute - local effects, inhalation	6.52 mg/m <sup>3</sup>	
Long-term - systemic effects, dermal	200 mg/kg bodyweight/day	
Long-term - local effects, dermal	1124 mg/cm <sup>2</sup>	
Long-term - systemic effects, inhalation	237.76 mg/m <sup>3</sup>	
Long-term - local effects, inhalation	6.52 mg/m <sup>3</sup>	
DNEL/DMEL (General population)		
Acute - systemic effects, dermal	200 mg/kg bodyweight/day	
Acute - systemic effects, inhalation	118.9 mg/m <sup>3</sup>	
Acute - systemic effects, oral	75 mg/kg bodyweight/day	
Acute - local effects, dermal	0.562 mg/cm <sup>2</sup>	
Acute - local effects, inhalation	0.652 mg/m³	
Long-term - systemic effects,oral	75 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	118.88 mg/m <sup>3</sup>	
Long-term - systemic effects, dermal	100 mg/kg bodyweight/day	
Long-term - local effects, dermal	0.562 mg/cm <sup>2</sup>	
Long-term - local effects, inhalation	0.652 mg/m <sup>3</sup>	
PNEC (Water)		
PNEC aqua (freshwater)	0.13 mg/l	
PNEC aqua (marine water)	0.12 mg/l	
PNEC aqua (intermittent, freshwater)	1 mg/l	
PNEC (Sediment)	1	
PNEC sediment (freshwater)	13.61 mg/kg dwt	
PNEC sediment (marine water)	1361 mg/kg dwt	
PNEC (Soil)		
PNEC soil	100 mg/kg dwt	
PNEC (Oral)		
PNEC oral (secondary poisoning)	86.7 mg/kg food	
PNEC (STP)		
PNEC sewage treatment plant	1000 mg/l	
Alcohols, C16-18, ethoxylated (68439-49-6)	1	
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	2080 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	294 mg/m <sup>3</sup>	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	25 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	87 mg/m <sup>3</sup>	
Long-term - systemic effects, dermal	1250 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0.002845 mg/l	

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Alcohols, C16-18, ethoxylated (68439-49-6)		
PNEC aqua (marine water)	0.002845 mg/l	
PNEC aqua (intermittent, freshwater)	0.1 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater) 68.3 mg/kg dwt		
PNEC sediment (marine water)	68.3 mg/kg dwt	
PNEC (Soil)		
PNEC soil 1 mg/kg dwt		
PNEC (STP)		
PNEC sewage treatment plant	1.4 mg/l	

#### 8.1.5. Control banding

#### No additional information available

8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Appropriate engineering controls: None under normal use.

#### 8.2.2. Personal protection equipment

### Personal protective equipment:

Safety glasses. Gloves.

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

Eye protection: EN 166

8.2.2.2. Skin protection

#### Hand protection:

Protective gloves made of latex. Neoprene/viton®. Nitrile rubber gloves, natural rubber gloves. PVC gloves. EN 374

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

No respiratory protection needed under normal use conditions

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties	
9.1. Information on basic phys	cal and chemical properties
Physical state	: Liquid
Colour	: Not available
Appearance	: Off-white.
Odour	: Floral. Citrus fruits.
Odour threshold	: Not available

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Melting point Freezing point	: Not available : Not available
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 100 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: 3-4
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 10000 – 20000 cP
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	: 960 – 1000
Relative density	: Not available
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

None.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

None known.

**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 clas	ses as defined in Regulation (EC) No 1272/2008	
Acute toxicity (oral) Acute toxicity (dermal)	: Not classified : Not classified	

Acute toxicity (inhalation)

: Not classified : Not classified

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LD50 oral rat	> 10000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
Skin corrosion/irritation	: Not classified
	pH: 3 – 4
Serious eye damage/irritation	: Not classified
	pH: 3 – 4
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity : Not classified	
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Alcohols, C16-18, ethoxylated (684	39-49-6)
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents)
Cetrimonium chloride (112-02-7)	
NOAEL (oral, rat, 90 days)	≈ 113 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), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Remarks on results: other:
NOAEL (dermal, rat/rabbit, 90 days)	10 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Aspiration hazard	: Not classified

### 11.2. Information on other hazards

No additional information available

# **SECTION 12: Ecological information**

12.1. Toxicity			
Hazardous to the aquatic environment, short–term : Not classified (acute) Hazardous to the aquatic environment, long–term : Harmful to aquatic life with long lasting effects. (chronic)			
Alcohols, C16-18, ethoxylated (68439-49-6)			
LC50 - Fish [1]	108 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)		
Cetrimonium chloride (112-02-7)			
LC50 - Fish [1]	0.71 – 1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)		
EC50 - Crustacea [1]	280 μg/l Test organisms (species): Daphnia magna		
EC50 72h - Algae [1]	≈ 0.155 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)		
EC50 72h - Algae [2]	≈ 0.115 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)		

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12.2. Persistence and degradability	
Top Dog Conditioner	
Persistence and degradability	Expected to be biodegradable.
12.3. Bioaccumulative potential	
Top Dog Conditioner	
Bioaccumulative potential	Bioaccumulation unlikely.
12.4. Mobility in soil	
Top Dog Conditioner	
Ecology - soil	Miscible with water. Expected to be highly mobile in soil.
12.5. Results of PBT and vPvB assessme	nt
Top Dog Conditioner	
This substance/mixture does not meet the PBT c	riteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB of	criteria of REACH regulation, annex XIII
Component	
d-limonene (5989-27-5)	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 XII
benzyl alcohol (100-51-6)	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 XII
citral (5392-40-5)	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 XII
Citric acid (77-92-9)	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 XII
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#### 12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Dispose in a safe manner in accordance with local/national regulations.

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber	1		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippin	g name		· · · · · · · · · · · · · · · · · · ·	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard o	class(es)		· /	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental haz	ards	· ,		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

#### 14.6. Special precautions for user

Overland transport Not regulated

### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport Not regulated

Rail 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 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)

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#### 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)

#### **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

For the following substances of this mixture a chemical safety assessment has been carried out:

Alcohols, C16-18, ethoxylated Cetrimonium chloride

## **SECTION 16: Other information**

#### Abbreviations and acronyms: ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR European Agreement concerning the International Carriage of Dangerous Goods by Road CAS-No. Chemical Abstract Service number CLP Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 DMEL **Derived Minimal Effect level** DNEL **Derived-No Effect Level** EC50 Median effective concentration EC-No. European Community number ΙΑΤΑ International Air Transport Association IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO) IMDG International Maritime Dangerous Goods LC50 Median lethal concentration LD50 Median lethal dose NOAEL No-Observed Adverse Effect Level PBT Persistent Bioaccumulative Toxic PNFC Predicted No-Effect Concentration REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 RID Regulations concerning the International Carriage of Dangerous Goods by Rail vPvB Very Persistent and Very Bioaccumulative

#### Data sources

: ECHA (European Chemicals Agency). Supplier's safety documents.

Full text of H- and EUH-statements:			
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4			
Aquatic Acute 1	c Acute 1 Hazardous to the aquatic environment – Acute Hazard, Category 1		
Aquatic Chronic 1     Hazardous to the aquatic environment – Chronic Hazard, Category 1			

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Full text of H- and EUH-statements:		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H318	Causes serious eye damage.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Corr. 1	Skin corrosion/irritation, Category 1	

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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.