



SAFETY DATA SHEET
Stardrops Original All Round Cleaner

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

1.1. Product identifier

Product name Stardrops Original All Round Cleaner
Product number BLE295

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

Identified uses Cleaning agent.
Uses advised against Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier Star Brands Limited
 Unit E
 Millshaw Business Living
 Global Avenue
 Leeds
 LS11 8PR
 England
 +44 (0) 113 2666 300
 +44 (0) 113 2666 690
 sds@starbrandsltd.co.uk

Contact person sds@starbrandsltd.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 113 2666 300 (09.00-17.00 Mon-Fri)
National emergency telephone number 111 (24hours UK)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

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Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.
Contains	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts, Amides, coco, N,N-bis(hydroxyethyl), Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Sodium laureth sulfate CAS number: 68891-38-3 EC number: 500-234-8	10-30%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
Amides, coco, N,N-bis(hydroxyethyl) CAS number: 68603-42-9	1-5%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts CAS number: 68411-30-3 EC number: 270-115-0	1-5%
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	

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1,2-benzisothiazol-3(2H)-one	<1%
CAS number: 2634-33-5	EC number: 220-120-9
M factor (Acute) = 1	
Classification	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	<1%
CAS number: 2372-82-9	EC number: 219-145-8
	REACH registration number: 01-2119980592-29-0000
M factor (Acute) = 10	M factor (Chronic) = 1
Classification	
Acute Tox. 3 - H301	
Skin Corr. 1A - H314	
STOT RE 2 - H373	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
2-methyl-2H-isothiazol-3-one	<1%
CAS number: 2682-20-4	EC number: 220-239-6
M factor (Acute) = 1	
Classification	
Acute Tox. 3 - H301	
Acute Tox. 3 - H311	
Acute Tox. 2 - H330	
Skin Corr. 1B - H314	
Skin Sens. 1 - H317	
STOT SE 3 - H335	
Aquatic Acute 1 - H400	
Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Keep affected person warm and at rest. Do not induce vomiting unless under the direction of medical personnel. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues. If in doubt, get medical attention promptly.
Skin contact	Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist.

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Eye contact Remove any contact lenses and open eyelids wide apart. Rinse cautiously with water for several minutes. Get medical attention immediately. Continue to rinse.

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

General information The product is considered to be a low hazard under normal conditions of use. See Section 11 for additional information on health hazards.

Inhalation The product is considered to be a low hazard under normal conditions of use.

Ingestion The product is considered to be a low hazard under normal conditions of use. May be harmful if swallowed.

Skin contact Causes skin irritation. Skin irritation should not occur when used as recommended.

Eye contact Causes serious eye damage.

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

Notes for the doctor Treat symptomatically.

Specific treatments No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Extinguish with the following media: Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is non-combustible. The product is not flammable.

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours. Avoid contact with eyes and prolonged skin contact. Use recommended protective equipment, see section 8. Ensure good ventilation.

For non-emergency personnel Remove persons for safety reasons

For emergency responders Wear breathing apparatus if exposed to vapours/spray/gases

6.2. Environmental precautions

Environmental precautions Not considered to be a significant hazard due to the small quantities used. Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Dispose of contents/container in accordance with local regulations.

6.4. Reference to other sections

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Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes and prolonged skin contact. Avoid inhalation of vapours and spray/mists. Provide adequate ventilation.

Advice on general occupational hygiene When using do not eat, drink or smoke. Wash contaminated skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions This product should be kept inaccessible to small children and well separated from products intended to be consumed. Store cool and only in original packaging.

Storage class Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Sodium laureth sulfate (CAS: 68891-38-3)

Ingredient comments	68891-38-3: Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)
DNEL	Workers - Dermal; Long term systemic effects: 2750 mg/kg/day Workers - Inhalation; Long term systemic effects: 175 mg/m ³ Workers - Dermal; Long term local effects: 132 µg/cm ² General population - Oral; Long term systemic effects: 15 mg/kg/day General population - Inhalation; Long term systemic effects: 52 mg/m ³ General population - Dermal; Long term systemic effects: 1650 mg/kg/day General population - Dermal; Long term local effects: 79 µg/cm ²
PNEC	Fresh water; 0.24 mg/l marine water; 0.024 mg/l Intermittent release; 0.071 mg/l Sediment (Freshwater); 0.9168 mg/kg Sediment (Marinewater); 0.0917 mg/kg Soil; 7.5 mg/kg STP; 10000 mg/l

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (CAS: 2372-82-9)

DNEL	Workers - Inhalation; Long term systemic effects: 2.35 mg/m ³ Workers - Dermal; Long term systemic effects: 0.91 mg/kg
PNEC	Fresh water; 0.001 mg/l marine water; 0.0001 mg/l Sediment (Freshwater); 8.5 mg/kg Sediment (Marinewater); 0.85 mg/kg Soil; 45.34 mg/kg STP; 1.33 mg/l

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls

Avoid inhalation of vapours and spray/mists. Provide adequate ventilation.

Eye/face protection

Wear eye protection.

Hand protection

Wear protective gloves. Wear protective gloves made of the following material: Nitrile Gloves Nitrile rubber. Polyvinyl chloride (PVC). It should have a minimum thickness of 0.55mm Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands thoroughly after handling. Do not smoke in work area.

Respiratory protection

No specific requirements are anticipated under normal conditions of use.

Environmental exposure controls

Ensure all engineering measures mentioned in section 7 of this SDS are in place

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Orange.
Odour	Perfume.
Odour threshold	No specific test data are available.
pH	pH (concentrated solution): ~ 7.50
Melting point	Not applicable.
Initial boiling point and range	Not available.
Flash point	This product does not sustain combustion.
Evaporation rate	No information available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not applicable.
Vapour pressure	Not known.
Vapour density	Not known.
Relative density	1.015 - 1.025g/ml @ 20°C
Bulk density	Not determined.
Solubility(ies)	Soluble in water.
Partition coefficient	Data lacking.

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Auto-ignition temperature	Not known.
Decomposition Temperature	Not determined.
Viscosity	100 - 160 cP @ 20°C
Explosive properties	Not applicable.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
<u>9.2. Other information</u>	
Refractive index	No information required.
Particle size	No specific test data are available.
Molecular weight	No information required.
Volatility	Not available.
Saturation concentration	Not applicable.
Critical temperature	Not applicable.
Volatile organic compound	No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Acute toxicity - oral

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Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	86,400.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Causes skin irritation.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye damage.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	Based on the available information, classification criteria are not met.

Toxicological information on ingredients.

Sodium laureth sulfate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,001.0

Species Rat

ATE oral (mg/kg) 5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

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Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,080.0

Species Rat

ATE oral (mg/kg) 1,080.0

1,2-benzisothiazol-3(2H)-one

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,030.0

Species Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,001.0

Species Rat

ATE dermal (mg/kg) 5,001.0

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 261.0

Species Rat

Notes (oral LD₅₀) LD₅₀ 261 mg/kg, Oral, Rat

ATE oral (mg/kg) 261.0

2-methyl-2H-isothiazol-3-one

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 120 mg/kg, Oral, Rat

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 242 mg/kg, Dermal, Rabbit

ATE dermal (mg/kg) 300.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 0.11

Species Rat

ATE inhalation (dusts/mists mg/l) 0.11

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SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product contains a substance which is harmful to aquatic organisms.

Ecological information on ingredients.

Sodium laureth sulfate

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, : 10-100 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC₅₀, : 10-100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, : 10-100 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC₀, : >100 mg/l, Activated sludge

Chronic aquatic toxicity

NOEC

Degradability --

Chronic toxicity - fish early life stage , : 1-10 mg/l, Leuciscus idus (Golden orfe)

Chronic toxicity - aquatic invertebrates , : 0.1-1.0 mg/l, Daphnia magna

1,2-benzisothiazol-3(2H)-one

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 2.18 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 2.94 mg/l, Daphnia magna

Acute toxicity - aquatic plants NOEC, 72 hours: 0.027 mg/l, Marinewater algae

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

Acute toxicity - fish LC₅₀, 96 hours: 0.45 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.073 mg/l, Daphnia magna

Acute toxicity - aquatic plants NOEC, 72 hours: >0.001 0.01 mg/l, Selenastrum capricornutum

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Chronic aquatic toxicity

M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.024 mg/l, Daphnia magna

2-methyl-2H-isothiazol-3-one

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 4.77 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.93 - 1.9 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 0.158 mg/l, Selenastrum capricornutum

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient Data lacking.

12.4. Mobility in soil

Mobility The product is miscible with water and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	The generation of waste should be minimised or avoided wherever possible. Dispose of waste product or used containers in accordance with local regulations
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
Road transport notes	Not regulated.

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Rail transport notes Not regulated.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage. Always transport in closed containers that are upright and secure.

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

Transport in bulk according to Not relevant.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

EU legislation

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 (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
 CAS: Chemical Abstracts Service.
 DNEL: Derived No Effect Level.
 GHS: Globally Harmonized System.
 LC₅₀: Lethal Concentration to 50 % of a test population.
 LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
 PNEC: Predicted No Effect Concentration.
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
 SVHC: Substances of Very High Concern.
 vPvB: Very Persistent and Very Bioaccumulative.
 IARC: International Agency for Research on Cancer.
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
 cATpE: Converted Acute Toxicity Point Estimate.
 EC₅₀: 50% of maximal Effective Concentration.
 LOAEC: Lowest Observed Adverse Effect Concentration.
 LOAEL: Lowest Observed Adverse Effect Level.
 LOEC: Lowest Observed Effect Concentration.
 DMEL: Derived Minimal Effect Level.
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
 IATA: International Air Transport Association.
 IMDG: International Maritime Dangerous Goods.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
 Aquatic Acute = Hazardous to the aquatic environment (acute)
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)
 Asp. Tox. = Aspiration hazard
 Carc. = Carcinogenicity
 STOT RE = Specific target organ toxicity-repeated exposure
 STOT SE = Specific target organ toxicity-single exposure
 Eye Dam. = Serious eye damage
 Met. Corr. = Corrosive to metals
 Skin Corr. = Skin corrosion
 Skin Irrit. = Skin irritation
 Skin Sens. = Skin sensitisation

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Revision	3
Supersedes date	23/06/2016
SDS number	5382

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Hazard statements in full

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
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.