SAFETY DATA SHEET

Headlight Restore Kit - Step 2

According to the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practise, 2021.

SECTION 1: Identification: Product identifier and chemical identity

Product identifier

Product name Headlight Restore Kit - Step 2

Product No. 383-20

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

Application Car maintenance product. - Polish. Sealant.

Uses advised against For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

Details of the supplier of the safety data sheet

Supplier
Autosmart Australia
11 Darrambal Close
Rathmines
NSW 2283
Australia
www.autosmartaustralia.com.au
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST) (General Information. Transport Information. Mild Medical Information)
autosmart@autosmartaustralia.com.au

Contact Person Mr. Russell Butler

Manufacturer
Autosmart International Ltd..
Lynn Lane
Shenstone, nr Lichfield
Staffordshire WS14 0DH
Great Britain
www.autosmartinternational.com
Tel: +44 (0) 1543 481616 (09:00 - 17:00)
Fax: +44 (0) 1543 481549 (09:00 - 17:00)
info@autosmartinternational.com

Emergency telephone number

Emergency telephone
NCEC - For Chemical Emergency Support ONLY (spill, leak, fire, exposure or accident), Call NCEC at 18000 74234 (toll free 24Hrs) - when calling please quote "AUTOSMART 29003-NCEC"
Local number +61 2 8 014 4558
General Information. Transport Information. Mild medical Information:-
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)

National emergency telephone number Poison Information Hotline: 13 11 26

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

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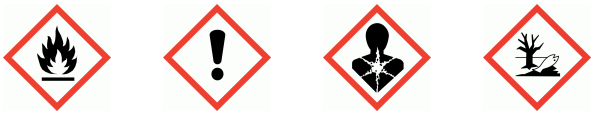
Physical hazards	Flam. Liq. 3 - H226
Health hazards	STOT SE 3 - H336 STOT RE 2 - H373
Environmental hazards	Aquatic Acute 3 - H402 Aquatic Chronic 2 - H411

Human health	Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.
Environmental	The product is not expected to be hazardous to the environment.

Label elements

Hazard pictograms



Signal word	WARNING
Hazard statements	H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H402 Harmful to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P210 Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking. P261 Avoid breathing vapour/ spray. P280 Wear protective gloves. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P403+P233 Store in a well-ventilated place. Keep container tightly closed.
Supplemental label information	EUH066 Repeated exposure may cause skin dryness or cracking.
Contains	Naphtha (petroleum), hydrotreated heavy, STODDARD SOLVENT; LOW BOILING POINT NAPHTHA - UNSPECIFIED

Other hazards

This product does not contain any substances classified as PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative).

SECTION 3: Composition and information on ingredients

Mixtures

Naphtha (petroleum), hydrotreated heavy CAS number: 64742-48-9	**60-100%**
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304	

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Dimethyl siloxane, 3-(2-aminoethyl)aminopropyldimethoxysiloxy-terminated **2<3%**

CAS number: 71750-80-6

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2A - H319

Dimethyl Siloxane, ho term rxn methyltrimethoxysilane & amionethylaninopropyltrimethoxysilane **1.75<2.0%**

CAS number: 69430-37-1

M factor (Acute) = 1 M factor (Chronic) = 1

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Eye Irrit. 2A - H319
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

STODDARD SOLVENT; LOW BOILING POINT NAPHTHA - UNSPECIFIED **1.5<1.75%**

CAS number: 8052-41-3

Classification
Flam. Liq. 3 - H226
STOT RE 1 - H372
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

Isopropyl alcohol **0.7<1.0%**

CAS number: 67-63-0

Substance with a Community workplace exposure limit.

Classification
Flam. Liq. 2 - H225
Eye Irrit. 2A - H319
STOT SE 3 - H336

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(R)-p-mentha-1,8-diene	**0.5<0.7%**
CAS number: 5989-27-5	
M factor (Acute) = 1	M factor (Chronic) = 1

Classification
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1B - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Methanol	**0.1<0.2%**
CAS number: 67-56-1	

Classification
Flam. Liq. 2 - H225
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 3 - H331
STOT SE 1 - H370

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

Description of first aid measures

Inhalation Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Skin Contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation. May cause stomach pain or vomiting. Diarrhoea. Dizziness. Headache.

Skin contact Prolonged contact may cause redness, irritation and dry skin.

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Eye contact Irritation of eyes and mucous membranes. Prolonged contact may cause redness and/or tearing.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam, carbon dioxide or dry powder.

Special hazards arising from the substance or mixture

Specific hazards Fire creates: Oxides of the following substances: Carbon. The product is flammable.

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

Advice for firefighters

Protective actions during firefighting Cool containers exposed to flames with water until well after the fire is out.

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

Hazchem Code •3Y

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

Reference to other sections

Reference to other sections For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. During application and drying, solvent vapours will be emitted.

Conditions for safe storage, including any incompatibilities

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Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class Flammable liquid storage.

Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

SECTION 8: Exposure controls and personal protection

Control parameters

Occupational exposure limits

Isopropyl alcohol

Long-term exposure limit (8-hour TWA): 400 ppm 983 mg/m³
Short-term exposure limit (15-minute): 500 ppm 1230 mg/m³

Methanol

Long-term exposure limit (8-hour TWA): 200 ppm 262 mg/m³
Short-term exposure limit (15-minute): 250 ppm 328 mg/m³
Sk
Sk = Absorption through the skin may be a significant source of exposure.

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

Ingredient comments No exposure limits known for ingredient(s).

Thixcin R (CAS: 8001-78-3)

Ingredient comments No exposure limits known for ingredient(s).

Dimethyl Siloxane, ho term rxn methyltrimethoxysilane & amionethylaninopropyltrimethoxysilane (CAS: 69430-37-1)

Ingredient comments No exposure limits known for ingredient(s).

(R)-p-mentha-1,8-diene (CAS: 5989-27-5)

Ingredient comments No exposure limits known for ingredient(s).

Exposure controls

Protective equipment

Appropriate engineering controls No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection Wear protective gloves made of the following material: Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Use thin cotton gloves inside natural rubber gloves if there is an allergy risk to natural rubber.

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Other skin and body protection	Provide eyewash station.
Hygiene measures	Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Milky.
Odour	Characteristic.
Odour threshold	Not available.
pH	Not applicable.
Melting point	~ -15°C
Initial boiling point and range	~ 150-200 @°C @ 760 mm Hg
Flash point	40°C Closed cup.
Evaporation rate	~ 80 (diethyl ether = 1)
Flammability Limit - Lower(%)	: 0.6
Vapour pressure	~ 300 kPa @ °C
Vapour density	Not available.
Relative density	~ 0.750 @ (20°C)°C
Solubility(ies)	Soluble in the following materials: Hydrocarbons.
Partition coefficient	: 5-6.7
Auto-ignition temperature	~250°C
Decomposition Temperature	Not available.
Viscosity	Not determined.
Oxidising properties	Does not meet the criteria for classification as oxidising.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
Volatile organic compound	This product contains a maximum VOC content of 670 g/litre.

SECTION 10: Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Not applicable. Will not polymerise.

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Conditions to avoid	Avoid heat, flames and other sources of ignition.
Materials to avoid	Strong alkalis. Strong acids. Strong oxidising agents.
Hazardous decomposition products	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: Toxicological information

Information on toxicological effects

Aspiration hazard

Aspiration hazard	Kinematic viscosity > 20.5 mm²/s.
General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	Harmful if swallowed. May cause stomach pain or vomiting. Diarrhoea. Headache.
Skin Contact	May cause defatting of the skin but is not an irritant.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.
Acute and chronic health hazards	The product irritates mucous membranes and may cause abdominal discomfort if swallowed.
Route of exposure	Inhalation Ingestion. Skin and/or eye contact

Toxicological information on ingredients.

Naphtha (petroleum), hydrotreated heavy

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	5,000.0
Species	Rabbit

Dimethyl Siloxane, ho term rxn methyltrimethoxysilane & amionethylaninopropyltrimethoxysilane

Other health effects	There is no evidence that the product can cause cancer.

Isopropyl alcohol

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,840.0
Species	Rat
Notes (oral LD_{50})	Based on available data the classification criteria are not met.

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Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	16.4
Species	Rabbit
Notes (dermal LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data	Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness.
Target organs	Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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Inhalation	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
Ingestion	A single exposure may cause the following adverse effects: Confusion, agitation and/or excitation. Symptoms following overexposure may include the following: May cause nausea, headache, dizziness and intoxication. Unconsciousness.
Skin Contact	A single exposure may cause the following adverse effects: Temporary irritation. Prolonged contact may cause dryness of the skin.
Eye contact	Irritating to eyes.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	Central nervous system

SECTION 12: Ecological information

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

Naphtha (petroleum), hydrotreated heavy

Ecotoxicity The product is not expected to be toxic to aquatic organisms.

Isopropyl alcohol

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Acute aquatic toxicity

Acute toxicity - fish	Not determined.
Acute toxicity - aquatic invertebrates	Not determined.
Acute toxicity - aquatic plants	Not determined.
Acute toxicity - microorganisms	Not determined.
Acute toxicity - terrestrial	Not determined.

Ecological information on ingredients.

Dimethyl Siloxane, ho term rxn methyltrimethoxysilane & amionethylaninopropyltrimethoxysilane

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Non-rapidly degradable
M factor (Chronic)	1

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Isopropyl alcohol

Toxicity	Based on available data the classification criteria are not met.
Acute aquatic toxicity	
Acute toxicity - fish	LC50, 96 hours: ~ 9640 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, >: > 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: > 1000 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC_{50}, >: > 1000 mg/l, Activated sludge

Persistence and degradability

Persistence and degradability Volatile substances are degraded in the atmosphere within a few days.

Ecological information on ingredients.

Naphtha (petroleum), hydrotreated heavy

Persistence and degradability	Volatile substances are degraded in the atmosphere within a few days.

Dimethyl Siloxane, ho term rxn methyltrimethoxysilane & amionethylaninopropyltrimethoxysilane

Persistence and degradability	The product is biodegradable.

Isopropyl alcohol

Persistence and degradability	The product is readily biodegradable.
Biodegradation	Degradation (%) - 95: 21 days
Biological oxygen demand	~ 1171 g O_2/g substance
Chemical oxygen demand	~ 2294 g O_2/g substance

Bioaccumulative potential

Bioaccumulative Potential The product contains potentially bioaccumulating substances.

Partition coefficient : 5-6.7

Ecological information on ingredients.

Naphtha (petroleum), hydrotreated heavy

Bioaccumulative Potential	The product does not contain any substances expected to be bioaccumulating.

Dimethyl Siloxane, ho term rxn methyltrimethoxysilane & amionethylaninopropyltrimethoxysilane

Bioaccumulative Potential	The product does not contain any substances expected to be bioaccumulating.

Isopropyl alcohol

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Bioaccumulative Potential No data available on bioaccumulation.

Partition coefficient log Pow: 0.05

Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

Naphtha (petroleum), hydrotreated heavy

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Dimethyl Siloxane, ho term rxn methyltrimethoxysilane & amionethylaninopropyltrimethoxysilane

Mobility The product is insoluble in water.

Isopropyl alcohol

Mobility The product is water-soluble and may spread in water systems. Volatile liquid. The product contains organic solvents which will evaporate easily from all surfaces.

Adsorption/desorption coefficient Water - Koc: ~ 1.1 @ °C

Henry's law constant 0.00000338 atm m3/mol @ 25°C

Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

Isopropyl alcohol

Other adverse effects None known.

SECTION 13: Disposal considerations

Waste treatment methods

General information The packaging must be empty (drop-free when inverted). Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses.

SECTION 14: Transport information

UN number

UN No. (ADG) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN proper shipping name

Proper shipping name (ADG) FLAMMABLE LIQUID, N.O.S. (White Spirit)

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Proper shipping name (IMDG)	FLAMMABLE LIQUID, N.O.S. (White Spirit)

Transport hazard class(es)

ADG class	3
ADG label	3
IMDG class	3
ICAO class/division	3

Transport labels

Packing group

ADG packing group	III
IMDG packing group	III
ICAO packing group	III

Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

Special precautions for user

EmS	F-E, S-E
Hazchem Code	•3Y
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

SECTION 16: Any other relevant information

General information	This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems. Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	Prepared by Autosmart International Ltd, Lynn Lane, Shenstone, Lichfield, Staffordshire, WS14 0DH, Great Britain. www.autosmartinternational.com rbutler@autosmart.co.uk Tel +44 (0)1543 481616
Revision date	2/10/2024
Revision	13
Supersedes date	15/10/2020
SDS status	Approved.

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Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs (Eyes, Central nervous system).
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H402 Harmful to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.