SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Colormet Adhesion Primer WB

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

Material uses: Identified uses: Industrial use, professional use, consumer
Uses advised against: None identified

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF

Telephone Number: 01234 846400
Emergency Contact Number: 111 (NHS England)
Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture: Mixture

Classification according to UK CLP/GHS:
Skin Sens. 1, H317
Aquatic Chronic 2, H411
The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word: Warning

Hazard pictograms:

Hazard statements: H317 - May cause an allergic skin reaction.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements:

General: P103 - Read carefully and follow all instructions.
P102 - Keep out of reach of children.
P101 - If medical advice is needed, have product container or label at hand.

Prevention: P280 - Wear protective gloves.
P273 - Avoid release to the environment.

Response: P391 - Collect spillage.

Storage: Not applicable.

Disposal: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous ingredients: 1,2-benzisothiazol-3(2H)-one
2-octyl-2H-isothiazol-3-one
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Supplemental label elements: EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Supplemental label elements: Not applicable.

Detergents - Regulation (EC) No 907/2006 Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.

Special packaging requirements:

Containers to be fitted with child-resistant fastenings: Not applicable.

Tactile warning of danger: Not applicable.

2.3 Other hazards:

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification: None known.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Product/ingredient name	Identifiers	%	Classification	Type
trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤5	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
2-(2-butoxyethoxy)ethanol	REACH #: 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5 Index: 603-096-00-8	≤3	Eye Irrit. 2, H319	[1] [2]
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≤1,7	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	REACH #: 01-2119463258-33 EC: 919-857-5	<1	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	[1] [2]
1,2-benzisothiazol-3(2H)-one	REACH #: 01-2120761540-60 EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	<0,036	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
pyrithione zinc	REACH #: 01-2119511196-46 EC: 236-671-3 CAS: 13463-41-7 Index: 613-333-00-7	<0,01	Acute Tox. 3, H301 Acute Tox. 2, H330 Eye Dam. 1, H318 Repr. 1B, H360D STOT RE 1, H372 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=10)	[1]
2-octyl-2H-isothiazol-3-one	REACH #: 17-2119390467-28 EC: 247-761-7 CAS: 26530-20-1 Index: 613-112-00-5	≤0,004	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
terbutryn	EC: 212-950-5 CAS: 886-50-0	≤0,0032	Acute Tox. 4, H302 Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	[1]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1)	REACH #: 01-2120764691-48 CAS: 55965-84-9 Index: 613-167-00-5	<0,001	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 **See Section 16 for the full text of the H statements declared above.**	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

This mixture contains ≥ 1% of titanium dioxide. The Annex VI classification of titanium dioxide does not apply to this mixture according to Note 10.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:

Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact:	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion:	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact:	No specific data.
Inhalation:	No specific data.
Skin contact:	Adverse symptoms may include the following: • irritation • redness
Ingestion:	No specific data.

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

Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatment.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.

5.2 Special hazards arising from the substance or mixture:

Hazards from the substance or mixture:	In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products:	Decomposition products may include the following materials: • carbon dioxide • carbon monoxide • phosphorus oxides • metal oxide/oxides

5.3 Advice for firefighters:

Special protective actions for fire-fighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents.
Additional information:	No unusual hazard if involved in a fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up:

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

6.4 Reference to other sections: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling:

Protective measures: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any Incompatibilities: Do not store below the following temperature: 0°C (32°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
E2	200 tonne	500 tonne

7.3 Specific end use(s)

Recommendations: Not available.

Industrial sector specific solutions: Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Occupational exposure limits

Product/ingredient name	Exposure limit values
2-(2-butoxyethoxy)ethanol	**EH40/2005 WELs (United Kingdom (UK), 1/2020)** TWA 8 hours: 10 ppm. TWA 8 hours: 67,5 mg/m³. STEL 15 minutes: 15 ppm. STEL 15 minutes: 101,2 mg/m³.
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	**Recommended by manufacturer (GB, 2009) [hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics]** TWA 8 hours: 1200 mg/m³ (as hydrocarbon mixture (A) (197 ppm)). Form: Vapour.

Biological exposure indices

No exposure indices known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Recommended monitoring procedures: Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
trizinc bis(orthophosphate)	DNEL	Long term Inhalation	5 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	2,5 mg/m³	General population [Consumers]	Systemic
	DNEL	Long term Dermal	83 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	83 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Oral	0,83 mg/ kg bw/day	General population [Consumers]	Systemic
2-(2-butoxyethoxy)ethanol	DNEL	Long term Inhalation	67,5 mg/m³	Workers	Local
	DNEL	Long term Dermal	20 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	50,6 mg/m³	General population [Consumers]	Local
	DNEL	Long term Inhalation	34 mg/m³	General population [Consumers]	Local
	DNEL	Long term Dermal	10 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Inhalation	67,5 mg/m³	Workers	Systemic
zinc oxide	DNEL	Long term Inhalation	5 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	2,5 mg/m³	General population [Consumers]	Systemic
	DNEL	Long term Dermal	83 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	83 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Oral	0,83 mg/ kg bw/day	General population [Consumers]	Systemic
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	DNEL	Long term Dermal	208 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	871 mg/m³	Workers	Systemic
	DNEL	Long term Oral	125 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Inhalation	185 mg/m³	General population [Consumers]	Systemic
	DNEL	Long term Dermal	125 mg/kg bw/day	General population [Consumers]	Systemic
1,2-benzisothiazol-3(2H)-one	DNEL	Long term Inhalation	6,81 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	1,2 mg/m³	General population	Systemic
	DNEL	Long term Dermal	0,966 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	0,345 mg/kg bw/day	General population	Systemic
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1)	DNEL	Long term Inhalation	0,02 mg/m³	Workers	Local
	DNEL	Short term Inhalation	0,04 mg/m³	Workers	Local
	DNEL	Long term Inhalation	0,02 mg/m³	General population	Local
	DNEL	Short term Inhalation	0,04 mg/m³	General population	Local
	DNEL	Long term Oral	0,09 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	0,11 mg/kg bw/day	General population	Systemic

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
trizinc bis(orthophosphate)	Fresh water	48,1 µg/l	-
	Marine	14,2 µg/l	-
	Fresh water sediment	550,2 mg/kg	-
	Marine water sediment	263,9 mg/kg	-
	Soil	249,4 mg/kg	-
	Sewage Treatment Plant	121,4 µg/l	-

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

PNECs (cont)

Product/ingredient name	Compartment Detail	Value	Method Detail
trizinc bis(orthophosphate)	Fresh water Marine Fresh water sediment Marine water sediment Soil Sewage Treatment Plant	48,1 µg/l 14,2 µg/l 550,2 mg/kg 263,9 mg/kg 249,4 mg/kg 121,4 µg/l	- - - - - -
2-(2-butoxyethoxy)ethanol	Fresh water Marine Fresh water sediment Marine water sediment Sewage Treatment Plant Soil Secondary Poisoning	1,1 mg/l 0,11 mg/l 4,4 mg/kg 0,44 mg/kg 200 mg/l 0,32 mg/kg 56 mg/kg	Assessment Factors - Equilibrium Partitioning Equilibrium Partitioning Assessment Factors Equilibrium Partitioning Assessment Factors
zinc oxide	Fresh water Marine Sewage Treatment Plant Fresh water sediment Marine water sediment Soil	25,6 µg/l 7,6 µg/l 64,7 µg/l 146 mg/kg dwt 70,3 mg/kg dwt 44,3 mg/kg dwt	- - - - - -
1,2-benzisothiazol-3(2H)-one	Fresh water Marine water Sewage Treatment Plant Fresh water sediment Marine water sediment Soil	0,00403 mg/l 0,000403 mg/l 1,03 mg/l 0,0499 mg/kg dwt 0,00499 mg/kg dwt 3 mg/kg dwt	- - - - - -
pyrithione zinc	Fresh water Marine water Sewage Treatment Plant Marine water sediment Fresh water sediment	0,00009 mg/l 0,00009 mg/l 0,01 mg/l 0,0095 mg/kg 0,0095 mg/kg	- - - - -
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Fresh water Sewage Treatment Plant Marine water Soil Fresh water sediment Marine water sediment Fresh water Marine water Sewage Treatment Plant Fresh water sediment Marine water sediment Soil	3,39 ng/l 0,23 mg/l 3,39 ng/l 0,01 mg/kg dwt 0,027 mg/kg dwt 0,027 mg/kg dwt 0,00339 mg/l 0,00339 mg/l 0,23 mg/l 0,027 mg/kg 0,027 mg/kg 0,01 mg/kg	- - - - - - - - - - - -

8.2 Exposure controls

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures:

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Use eye protection according to EN 166. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection: There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): nitrile rubber (0.5mm) The recommendation for the type or types of glove to use when handling this product is based on information from the following source: EN374. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Wear overalls or long sleeved shirt. (EN 467)
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: organic vapour (Type A) and particulate filter (EN 141).
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Various
Odour:	Characteristic. [Slight]
Odour threshold:	Not available.
Melting point/freezing point:	0°C [Literature]
Initial boiling point and boiling range:	>100°C (>212°F) [Literature]
Flammability (solid, gas):	Non-flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts. Non-flammable but will burn on prolonged exposure to flame or high temperature.
Lower and upper explosion limit:	Not available.
Flash point:	Not relevant due to nature of the product.
Auto-ignition temperature:	Not relevant due to nature of the product.
Decomposition temperature:	Not available.
pH:	8 to 9 [Conc. (% w/w): 100%] [OECD 122]
pH: Justification	Not available.
Viscosity:	Dynamic (room temperature): 900 to 1300 mPa·s [ISO EN BS DIN 3219] Kinematic (room temperature): 677 to 1111 mm2/s [calculated.] Kinematic (40°C): >20,5 mm2/s [calculated.]

Solubility(ies):

Media	Result
cold water	Soluble
hot water	Soluble
methanol	Very slightly soluble
acetone	Very slightly soluble

Solubility in water:	Not available.
Partition coefficient: n-octanol/water:	Not applicable.
Vapour pressure:	2,3 kPa (17,25 mm Hg) [Literature]
Evaporation rate:	<1 (butyl acetate = 1)
Relative density:	Not available.
Density:	1,17 to 1,33 g/cm³ [20°C (68°F)] [DIN 53217]
Vapour density:	>1 [Air = 1]
Explosive properties:	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. No unusual hazard if involved in a fire.
Oxidising properties:	Not available.

Particle characteristics

Median particle size	Not applicable.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability: The product is stable.

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid: No specific data.

10.5 Incompatible materials: No specific data.

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 toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
trizinc bis(orthophosphate)	LC50 Inhalation Dusts and mists LD50 Oral	Rat Rat	>5,7 mg/l >5000 mg/kg	4 hours -
2-(2-butoxyethoxy)ethanol	LC50 Inhalation Vapour LD50 Dermal LD50 Oral LD50 Oral LD50 Oral	Rat Rabbit Mouse Mouse - Male Rat	58 mg/l 2700 mg/kg 2400 mg/kg 2410 mg/kg 3305 mg/kg	4 hours - - - -
zinc oxide	LC50 Inhalation Dusts and mists LC50 Inhalation Dusts and mists LD50 Oral	Mouse Rat Rat	2500 mg/m³ >5700 mg/m³ >15 g/kg	4 hours 4 hours -
1,2-benzisothiazol-3(2H)-one	LC50 Inhalation Dusts and mists LC50 Inhalation Dusts and mists LD50 Oral	Rat Rat - Male, Female Rat - Male	0,11 mg/l 0,5 mg/l 490 mg/kg	4 hours 4 hours -
pyrithione zinc	LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral	Rat Rabbit Rat	140 mg/m³ 100 mg/kg 177 mg/kg	4 hours - -
2-octyl-2H-isothiazol-3-one	LC50 Inhalation Dusts and mists LD50 Oral	Rat Rat	0,27 mg/l 248 mg/kg	4 hours -
terbutryn	LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral	Rat Rabbit Rat	>2200 mg/l >10200 mg/kg 2045 mg/kg	4 hours - -
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral	Rat - Male, Female Rabbit Rat	0,171 mg/l 92,4 mg/kg 64 mg/kg	4 hours - -

Conclusion/Summary: Based on available data, the classification criteria are not met.

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
2-(2-butoxyethoxy)ethanol	3305	2700	N/A	58	N/A
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, <2% aromatics	10000	N/A	N/A	N/A	N/A
1,2-benzisothiazol-3(2H)-one	450	N/A	N/A	N/A	0,21
pyrithione zinc	221	N/A	N/A	N/A	0,14
2-octyl-2H-isothiazol-3-one	125	311	N/A	N/A	0,27
terbutryn	500	N/A	N/A	N/A	N/A
reaction mass of: 5-chloro-2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol- 3-one [EC no. 220-239-6] (3:1)	64	92,4	N/A	N/A	0,171

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
zinc oxide	Eyes - Mild irritant Skin - Mild irritant	Rabbit Rabbit	- -	24 hours 500 milligrams 24 hours 500 milligrams	- -
2-octyl-2H-isothiazol-3-one	Eyes - Severe irritant	Rabbit	-	-	-
terbutryn	Eyes - Moderate irritant Skin - Mild irritant	Rabbit Rabbit	- -	76 milligrams 380 milligrams	- -
reaction mass of: 5-chloro- 2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Skin - Severe irritant Skin - Severe irritant	Human Rabbit	- -	0.01 Percent -	- 1 to 4 hours

SECTION 11: TOXICOLOGICAL INFORMATION (continue)

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

Eyes: Based on available data, the classification criteria are not met.

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

Respiratory or skin sensitization

Product/ingredient name	Route of exposure	Species	Result
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	Skin	Rabbit	Not sensitizing
1,2-benzisothiazol-3(2H)-one	Skin	Guinea pig	Sensitizing
2-octyl-2H-isothiazol-3-one	Skin	Rat	Sensitizing
reaction mass of: 5-chloro- 2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Skin	Guinea pig	Sensitizing

Skin: May cause an allergic skin reaction.

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

Mutagenicity

Conclusion/Summary Based on available data, the classification criteria are not met.

Carcinogenicity

Conclusion/Summary Based on available data, the classification criteria are not met.

Reproductive toxicity

Conclusion/Summary Based on available data, the classification criteria are not met.

Teratogenicity

Conclusion/Summary Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
pyrithione zinc	Category 1	-	-

Aspiration hazard

Product/ingredient name	Result
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	ASPIRATION HAZARD - Category 1

Information on likely routes of exposure: Routes of entry anticipated: Oral, Inhalation, Eyes.
Routes of entry not anticipated: Dermal.

Potential acute health effects

Eye contact: No known significant effects or critical hazards.
Inhalation: No known significant effects or critical hazards.
Skin contact: May cause an allergic skin reaction.
Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No specific data.
Inhalation: No specific data.
Skin contact: Adverse symptoms may include the following:
irritation
redness
Ingestion: No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Long term exposure

Potential immediate effects: Not available.
Potential delayed effects: Not available.

Potential chronic health effects

Not available.

Conclusion/Summary: Based on available data, the classification criteria are not met.
General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Reproductive toxicity: No known significant effects or critical hazards.
Other information: Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
Acute toxicity:

Product/ingredient name	Result	Species	Exposure
trizinc bis(orthophosphate)	Acute EC50 5,7 mg/l Acute IC50 1,87 mg/l	Daphnia spec. - ceriodaphnia dubia Algae – selenastrum capricornutum	48 hours 72 hours
2-(2-butoxyethoxy)ethanol	Acute EC10 1995 mg/l Fresh water Acute EC50 3300 mg/l Fresh water Acute EC50 1101 mg/l Fresh water Acute EC50 2850 mg/l Acute EC50 1300 mg/l Fresh water Acute NOEC >100 mg/l Chronic EC10 112 mg/l	Micro-organism Daphnia spec. Daphnia spec. Daphnia spec. Fish - Bluegill sunfish (Lepomis macrochirus) Algae - Algae Daphnia spec.	30 minutes 24 hours 48 hours 48 hours 96 hours 96 hours 14 days
zinc oxide	Acute EC50 0,024 mg/l Acute EC50 0,137 mg/l Acute EC50 0,413 mg/l Acute EC50 0,481 mg/l Fresh water Acute IC50 46 µg/l Fresh water Acute LC50 98 µg/l Fresh water Acute LC50 0,33 to 0,78 mg/l Chronic NOEC 0,019 mg/l Chronic NOEC 0,037 mg/l Chronic NOEC 0,082 mg/l Chronic NOEC 0,199 mg/l	Algae Algae Daphnia spec. Daphnia spec. - Water flea - *Daphnia magna* – Neonate Algae - Green algae - *Pseudokirchneriella subcapitata* - Exponential growth phase Daphnia spec. - Water flea - *Daphnia magna* – Neonate Fish - Rainbow trout (Oncorhynchus mykiss) Algae Daphnia spec. Daphnia spec. Fish - Rainbow trout (Oncorhynchus mykiss)	72 hours 72 hours 48 hours 48 hours 72 hours 48 hours 96 hours 7 days 21 days 7 days 30 days
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	Acute NOEC 100 mg/l Chronic NOEC 0,23 mg/l Chronic NOEC 0,131 mg/l	Algae – Pseudokirchneriella subcapitata Daphnia spec. Fish	72 hours - -
1,2-benzisothiazol-3(2H)-one	Acute EC50 0,11 mg/l Acute EC50 0,067 mg/l Acute EC50 0,9893 mg/l Acute EC50 2,94 mg/l Fresh water Acute LC50 2,18 mg/l Fresh water Acute LC50 8 to 13 mg/l Acute LC50 1,6 to 2,8 ppm Fresh water Fish Chronic NOEC 90 mg/l Chronic NOEC 1,2 mg/l Chronic NOEC 0,21 mg/l Chronic NOEL 0,0403 mg/l	Algae - Algae Algae – *Pseudokirchneriella subcapitata* Marine water Crustaceans - *Opossum Shrimp* Daphnia spec. - Daphnia spec. Fish - Rainbow trout (oncorhynchus mykiss) Fish - *Alburnus Alburnus* Rainbow trout,Donaldson trout - *Oncorhynchus mykiss* Aquatic plants – *Phaseolus vulgaris* Daphnia spec. - Daphnia spec. Fish - Rainbow trout (oncorhynchus mykiss) Algae - Algae	72 hours 72 hours 96 hours 48 hours 96 hours 96 hours 96 hours 20 days 21 days 28 days 72 hours
pyrithione zinc	Acute EC50 0,51 µg/l Marine water Acute EC50 80 µg/l Fresh water Acute EC50 38 µg/l Fresh water Acute EC50 8,25 ppb Fresh water Acute EC50 61 µg/l Fresh water Acute LC50 2,68 ppb Fresh water Chronic EC10 0,36 µg/l Marine water Chronic NOEC 2,7 ppb Marine water	Algae - Diatom – Thalassiosira pseudonana Crustaceans - Water flea - Chydorus sphaericus Crustaceans - Ostracod - Ilyocypris dentifera Daphnia spec. - Water flea - Daphnia magna Daphnia spec. - Water flea - Daphnia magna - Nauplii Fish - Fathead minnow - Pimephales promelas Algae - Diatom - Thalassiosira pseudonana Daphnia spec. - Water flea - Daphnia magna	96 hours 48 hours 48 hours 48 hours 48 hours 96 hours 96 hours 21 days
2-octyl-2H-isothiazol-3-one	Acute EC50 0,32 to 0,834 mg/l Fresh water Acute IC50 0,084 mg/l Acute LC50 0,0655 to 0,104 mg/l fresh water Acute LC50 0,14 to 0,202 mg/l Fresh water	Daphnia spec. - Water flea - Daphnia magna Algae – Scenedesmus subspicatus Fish - Rainbow trout (oncorhynchus mykiss) Fish - Fathead minnow - Pimephales promelas	48 hours 72 hours 96 hours 96 hours
terbutryn	Acute EC50 0,1 µg/l Fresh water Acute EC50 2 µg/l Fresh water Acute EC50 2,66 ppm Fresh water Acute IC50 0,0055 mg/l Acute LC50 579,3 mg/l Fresh water Acute LC50 1,8 to 1400 µg/l Fresh water Acute LC50 0,82 ppm Fresh water Chronic EC10 0,015 µg/l Fresh water	Algae - Diatom – Fragilaria capucina ssp. Rumpens Algae - Green algae - Pseudokirchneriella subcapitata Daphnia spec. - Water flea - Daphnia magna Algae Crustaceans - Signal crayfish - Pacifastacus leniusculus - Juvenile (Fledgling, Hatchling, Weanling) Fish - Crucian carp - Carassius Carassius Fish - Rainbow trout,Donaldson trout - Oncorhynchus mykiss Algae - Diatom – Fragilaria capucina ssp. rumpens	96 hours 72 hours 48 hours 72 hours 48 hours 96 hours 96 hours 96 hours

SECTION 12: ECOLOGICAL INFORMATION (continue)

Product/ingredient name	Result	Species	Exposure
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Acute EC50 0,037 mg/l Fresh water Acute EC50 0,16 mg/l Fresh water Acute LC50 0,19 mg/l Fresh water Acute NOEC 0,004 mg/l Marine water Chronic NOEC 0,18 mg/l Chronic NOEC 0,02 mg/l Fresh water	Algae Daphnia spec. Fish - Rainbow trout (oncorhynchus mykiss) Algae Daphnia spec. - Daphnia spec. Fish - Rainbow trout (oncorhynchus mykiss)	48 hours 48 hours 96 hours 48 hours 21 days 38 days

Conclusion/Summary: Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	OECD 301B OECD 301F	>80 % - Readily - 28 days >80 % - Readily - 28 days	- -	- -
1,2-benzisothiazol-3(2H)-one	OECD 303A	>90 % - Readily - 1 days	-	-
2-octyl-2H-isothiazol-3-one	OECD 303A OECD 309 OECD 309	>80 % - Readily - 4 days 90 % - Readily - 4 days 50 % - Readily - 2 days	- 0,01 to 0,1 mg/l 0,01 to 0,1 mg/l	- - -
reaction mass of: 5-chloro-2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	OECD 301D -	>60 % - Readily - 28 days <50 % - 10 days	- -	- -

Conclusion/Summary: According to EC criteria: Expected to be inherently biodegradable

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2-(2-butoxyethoxy)ethanol	-	-	Readily
zinc oxide	-	-	Not readily
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	-	100%; < 28 day(s)	Readily
1,2-benzisothiazol-3(2H)-one	-	-	Readily
pyrithione zinc	-	-	Inherent
2-octyl-2H-isothiazol-3-one	Fresh water 2 days, 20°C	-	Readily
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	-	-	Inherent

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
trizinc bis(orthophosphate)	-	60960	High
2-(2-butoxyethoxy)ethanol	1	-	Low
zinc oxide	-	28960	High
hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics	5 to 6.5	-	High
1,2-benzisothiazol-3(2H)-one	0,64	-	Low
pyrithione zinc	0,9	11	Low
2-octyl-2H-isothiazol-3-one	2,45	-	Low
terbutryn	3,74	-	Low
reaction mass of: 5-chloro-2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3:1)	-0.83 to 0.75	-	Low

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}): Not available.

Mobility Not available.

12.5 Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects: No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

SECTION 13: DISPOSAL CONSIDERATIONS (continue)

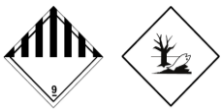
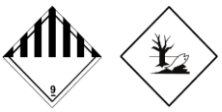
Hazardous waste: Yes.

Waste catalogue

Waste code	Waste designation
08 01 15*	Aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances

Special precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

	ADR / RID	ADN	IMDG	IATA
14.1. UN number	UN3082	UN3082	UN3082	UN3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)
14.3. Transport hazard class(es)				
14.4. Packing group	III	III	III	III
14.5. Environmental hazards	Yes	Yes	Yes	Yes
Additional information	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. **Hazard identification number** 90 **Limited quantity** 5L **Special provisions** 274, 335, 375, 601 **Tunnel code** (-)	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. **Special provisions** 274, 335, 375, 601 **Remarks** : < 5L: Limited Quantity	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. **Emergency schedules** F-A, S-F **Special provisions** 274, 335, 375, 969 **Remarks** : < 5L: Limited Quantity - IMDG 3.4	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8. **Quantity limitation** Passenger and Cargo Aircraft: 450 L. Packaging instructions: 964. Cargo Aircraft Only: 450 L. Packaging instructions: 964. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y964. **Special provisions** A97, A158, A197, A215

14.6 Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not available.

SECTION 15: REGULATORY INFORMATION

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

UK (GB)/REACH

Annex XIV - List of substances subject to authorisation.

Annex XIV

None of the components are listed above the relevant limit.

Substances of very high concern

None of the components are listed above the relevant limit.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	%	Designation [Usage]
Colormet Adhesion Primer WB	≥90	3

Labelling: Not applicable.

Other EU regulations

VOC: The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

VOC for Ready-for-Use Mixture: IIA/i. One-pack performance coatings. EU limit value for this product : 140g/l (2010.) This product contains a maximum of 45 g/l VOC.

SECTION 15: REGULATORY INFORMATION (continue)

Industrial emissions (integrated pollution prevention and control) - Air	Not listed
Industrial emissions (integrated pollution prevention and control) – Water	Not listed
Ozone depleting substances	Not listed
Prior Informed Consent (PIC)	Not listed
Persistent Organic Pollutants	Not listed
Seveso Directive	This product is controlled under the Seveso Directive.

Danger criteria

Category
E2

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air	Not listed
Industrial emissions (integrated pollution prevention and control) – Water	Not listed

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals:	Not listed
Montreal Protocol:	Not listed
Stockholm Convention on Persistent Organic Pollutants:	Not listed
Rotterdam Convention on Prior Informed Consent (PIC):	Not listed
UNECE Aarhus Protocol on POPs and Heavy Metals:	Not listed
CN code:	3209 10 00 00

Inventory list

Australia:	At least one component is not listed.
Canada:	At least one component is not listed.
China:	At least one component is not listed.
Eurasian Economic Union:	Russian Federation inventory: Not determined.
Japan:	**Japan inventory (CSCL):** At least one component is not listed. **Japan inventory (ISHL):** Not determined.
New Zealand:	At least one component is not listed.
Philippines:	At least one component is not listed.
Republic of Korea:	At least one component is not listed.
Taiwan:	At least one component is not listed.
Thailand:	Not determined.
Turkey:	Not determined.
United States:	At least one component is not listed.
Viet Nam:	Not determined.
15.2 Chemical safety assessment:	This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:
ATE = Acute Toxicity Estimate
GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = GB CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

SECTION 16: OTHER INFORMATION (continue)

Full text of abbreviated H statements

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H310 Fatal in contact with skin.
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.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H336 May cause drowsiness or dizziness.
H360D May damage the unborn child.
H372 Causes 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.
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH071 Corrosive to the respiratory tract.

Full text of classifications

Acute Tox. 2 ACUTE TOXICITY - Category 2
Acute Tox. 3 ACUTE TOXICITY - Category 3
Acute Tox. 4 ACUTE TOXICITY - Category 4
Aquatic Acute 1 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Asp. Tox. 1 ASPIRATION HAZARD - Category 1
Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 3 FLAMMABLE LIQUIDS - Category 3
Repr. 1B REPRODUCTIVE TOXICITY - Category 1B
Skin Corr. 1 SKIN CORROSION/IRRITATION - Category 1
Skin Corr. 1C SKIN CORROSION/IRRITATION - Category 1C
Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1 SKIN SENSITISATION - Category 1
Skin Sens. 1A SKIN SENSITISATION - Category 1A
Skin Sens. 1B SKIN SENSITISATION - Category 1B
STOT RE 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3