

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

1.1. Product identifier	
Product name	: Silverbullet - Large Format Pro Primer
Product description	: Paint
Product type	: Liquid.

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

Identified uses					
Consumer use Industrial use Professional use					
	Uses advised against		Reason		
None identified.			-		

1.3. Details of the supplier of the safety data sheet

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Tor Coatings Limited Unit 21, White Rose Way, Follingsby Park, Gateshead, Tyne & Wear, NE10 8YX United Kingdom Telephone no.: +44 (0) 191 4106611 Fax no.: +44 (0) 191 4920125 enquiries@tor-coatings.com

e-mail address of person responsible for this SDS: rpmeurohas@rustoleum.eu

1.4. Emergency telephone number

National advisory body/Poison Centre

Supplier

Telephone number United Kingdom: +44 870 8200418 / +44 2038073798 Great Britain

Hours of operation

: 24/7

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 11 for more detailed information on health effects and symptoms.

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2.2. Label elements					
Signal word	:	No signal word.			
Hazard statements	:	: No known significant effects or critical hazards.			
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 a 				
Prevention	:	Not applicable.			
Response	:	Not applicable.			
Storage	:	Not applicable.			
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.			
Supplemental label elements	:	EUH208 - Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction EUH210 - Safety data sheet available on request.			
Supplemental label elements : Detergents - Regulation (EC) No 907/2006	:	Not applicable.			
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.			
Special packaging requirement 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

3.1. Substances

Not applicable

3.2. Mixtures

United Kingdom: Great Britain : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
1,2-benzisothiazol-3(2H)- one	REACH #: 01-2120761540-60 EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	<0,05	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	ATE [Oral] = 490 mg/kg ATE [Inhalation (vapours)] = 0,5 mg/l Skin Sens. 1, H317: $C \ge 0,05\%$ M [Acute] = 1	[1]

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	See Section 16 for the full text of the H	
	statements declared above.	

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

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. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

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

Over-exposure signs/sym	ptoms
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
4.3. Indication of any immedia	te 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: Firefighting me	asures
5.1. Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Unsuitable extinguishing media	: Do not use water jet.
5.2. Special hazards arising fro	om the substance or mixture
Hazards from the	. In a fire or if heated, a pressure increase will occur and the container may burst

Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide

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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 European standard EN 469 will provide a basic level of protection for chemical incidents.				
Additional information	ditional information : No unusual hazard if involved in a fire.				
SECTION 6: Accidental release measures					
SECTION 6: Accidental relea	ise measures				
	ective equipment and emergency procedures				

6.2. Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains pollution (sewers, waterways, soil or air).

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. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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. Dispose of via a licensed waste disposal contractor.		

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.

7.1. Precautions for safe han	dling
Protective measures	: Put on appropriate personal protective equipment (see Section 8).
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.

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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.

7.3. Specific end use(s)

Recommendations : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1. Control parameters

Occupational exposure limits / Biological exposure indices

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard 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	Туре	Exposure	Value	Population	Effects
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

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
1,2-benzisothiazol-3(2H)-one	Fresh water	0,00403 mg/l	-
	Marine water	0,000403 mg/l	-
	Sewage Treatment	1,03 mg/l	-
	Plant		
	Fresh water sediment	0,0499 mg/kg dwt	-
	Marine water sediment	0,00499 mg/kg	-
		dwt	
	Soil	3 mg/kg dwt	-

8.2. Exposure controls

Appropriate	engineering
controls	

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

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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. 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			

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.

degree of protection: safety glasses with side-shields.

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.

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should this is necessary. > 8 hours (breakthrough time): nitrile rubber (0.5mm) gloves. 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 140).
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

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1. Information on basic physical and chemical properties

Physical state	: Liquid.
Colour	: Colourless.
Odour	: Faint odour
Odour threshold	: Not available.
Melting point/freezing point	: 0°C [Literature]

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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 impac Nonflammable, but will burn on prolonged exposure to flame or high tempera	ts.
Lower & upper explosion limit	Not available.	
Flash point Auto-ignition temperature Decomposition temperature	Closed cup: >100°C (>212°F) [Literature] [Product does not sustain combust Not relevant due to nature of the product. Not available.	ion.]
рН	9 [Conc. (% w/w): 100%] [OECD 122]	
pH : Justification	Not available.	
Viscosity	Dynamic: 100 to 200 mPa⋅s [ISO EN BS DIN 3219] Kinematic: 97 to 207 mm²/s	

Solubility(ies)

Media		Result
cold water hot water methanol acetone		Soluble Soluble Very slightly soluble Very slightly soluble
Solubility in water	:	Not available.
Miscible with water	:	Yes.
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	:	0,967 to 1,027 g/cm ³ [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.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
1,2-benzisothiazol-3(2H)- one	LC50 Inhalation Dusts and mists	Rat	0,11 mg/l	4 hours
	LC50 Inhalation Dusts and mists	Rat - Male, Female	0,5 mg/l	4 hours
	LD50 Oral	Rat - Male	490 mg/kg	-

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)
1,2-benzisothiazol-3(2H)-one	490	N/A	N/A	0,5	N/A

Irritation/Corrosion

Conclusion/Summary

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

Skin

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

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
1,2-benzisothiazol-3(2H)-one	skin	Guinea pig	Sensitising
Conclusion/Summary			
Skin	Based on availab	ble data, the classification criteria	a are not met.
Respiratory	Based on availab	ble data, the classification criteria	a are not met.
Mutagenicity			
Conclusion/Summary	Based on availab	ble data, the classification criteria	a are not met.
Carcinogenicity			
Conclusion/Summary	Based on availab	ble data, the classification criteria	a are not met.
Reproductive toxicity			
Conclusion/Summary	Based on availab	ble data, the classification criteria	a are not met.
Teratogenicity			
Conclusion/Summary	Based on availab	ble data, the classification criteria	a are not met.
Specific target organ toxicit	y (single exposure	e)	
Not available.			
Specific target organ toxicity	y (repeated expos	ure)	
Not available.			
Aspiration hazard Not available.			
Information on likely routes of exposure		anticipated: Oral, Inhalation, Eye not anticipated: Dermal.	S.

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Potential acute health effe	cts
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the p	hysical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Delayed and immediate eff	fects 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 ef	fects
Not available.	
Conclusion/Summary	: Based on available data, the classification criteria are not met.
General	: No known significant effects or critical hazards.
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.
11.2. Information on other haz	zards

11.2.1 Endocrine disrupting properties	: Not available.
11.2.2 Other information	: Not available.

SECTION 12: Ecological information

12.1. Toxicity

Product/ingredient name	Result	Species	Exposure
1,2-benzisothiazol-3(2H)-one	Acute EC50 0,11 mg/l	Algae	72 hours
	Acute EC50 0,067 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 0,9893 mg/l Marine water	Crustaceans - Opossum Shrimp	96 hours
	Acute EC50 2,94 mg/l Fresh water	Daphnia spec.	48 hours
	Acute LC50 2,18 mg/l Fresh water	Fish	96 hours
	Acute LC50 8 to 13 mg/l	Fish - Alburnus alburnus	96 hours
	Acute LC50 1,6 to 2,8 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 90 mg/l	Aquatic plants - <i>Phaseolus</i> <i>vulgaris</i>	20 days
	Chronic NOEC 1,2 mg/l	Daphnia spec.	21 days
	Chronic NOEC 0,21 mg/l	Fish	28 days
	Chronic NOEL 0,0403 mg/l	Algae	72 hours

Conclusion/Summary

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

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12.2 Porsistones and degradability

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Product/ingredient name	Test	Result		Dose	Inoculum
1,2-benzisothiazol-3(2H)-one	OECD 303A	>90 % - Readily - 1	days	-	-
Conclusion/Summary : This product has not been tested for biodegradation. Based on available data, the classification criteria are not met.					
Product/ingredient name	Aquatic half-life Photolysis Biodegradabilit			Biodegradability	
Silverbullet - Large Format Pro Primer 1,2-benzisothiazol-3(2H)-one	-		-		Inherent Readily

12.3. Bioaccumulative potential

12.4. Mobility in soil

Product/ingredient name	LogPow	BCF	Potential
1,2-benzisothiazol-3(2H)-one	0,64	-	Low

Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Nonvolatile liquid.

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. Endocrine disrupting properties

Not available.

12.7. Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

13.1. Waste treatment methods

Product : The generation of waste should be avoided or minimised wherever possible. Methods of disposal 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. Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

European waste catalogue (EWC)

Waste code	Waste designation
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
Special precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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SECTION 14: Transport information					
In accordance with ADR / IMDG / IATA / ADN / RID					
	ADR/RID	ADN	IMDG	IATA	
14.1 UN number or	ID number				
	Not regulated.	Not regulated.	Not regulated.	Not regulated.	
14.2 UN proper ship	ping name				
	-	-	-	-	
14.3 Transport haza	14.3 Transport hazard class(es)				
	-	-	-	-	
14.4 Packing group	14.4 Packing group				
	-	-	-	-	
14.5 Environmental	hazards				
	No.	No.	No.	No.	

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. Maritime transport in bulk according to IMO instruments

Not available.

SECTION 15: Regulatory information

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

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

No listed substance

No listed substance	
Labelling	
Other EU regulations	
VOC	:
VOC for Ready-for-Use Mixture	: IIA/g. Primers. EU limit value for this product : 30g/l (2010.) This product contains a maximum of 30 g/l VOC.
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed
Industrial emissions (integrated pollution prevention and control) - Water	: Not listed
Explosive precursors	: Not applicable.

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United Kingdom: Great Britain UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Aerosol dispensers :

Seveso Directive

This product is not controlled under the Seveso Directive.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

International regulations

Stockholm Convention on Persistent Organic Pollutants

List name	Ingredient name	Status
Not listed.		

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

List name		Ingredient name	Status
Not listed.			
CN code : 3209 10 00 Inventory list	00		
Australia	: All componen	ts are listed or exempted.	
Canada	: All componen	ts are listed or exempted.	
China	: All componen	ts are listed or exempted.	
Eurasian Economic Union	: Russian Fed	eration inventory: Not determined.	
Japan	•	tory (CSCL): At least one component is not listed. tory (ISHL): Not determined.	
New Zealand	•	ts are listed or exempted.	
Philippines	: At least one c	omponent is not listed.	
Republic of Korea	: Not determine	ed.	
Taiwan	: Not determine	ed.	
Thailand	: Not determine	ed.	
Turkey	: Not determine	ed.	
United States	: Not determine	ed.	
Viet Nam	: Not determine	ed.	

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15.2. Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = 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 according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification	
Not classified.		

Full text of abbreviated H statements

United Kingdom: Great Britain

Full text of abbreviated H statements	:	 H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Full text of classifications [CLP/GHS]	:	Acute Tox. 2ACUTE TOXICITY - Category 2Acute Tox. 4ACUTE TOXICITY - Category 4Aquatic Acute 1SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1AquaticLONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2Chronic 2Eye Dam. 1SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1Skin Irrit. 2SKIN CORROSION/IRRITATION - Category 2Skin Sens. 1SKIN SENSITISATION - Category 1
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Date of previous issue	:	No previous validation
Version Notice to reader	:	1

Notice to reader

IMPORTANT NOTE: The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user s responsibility to verify that this data sheet is current prior to using the product to which it relates. Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

MANUFACTURER'S DISCLAIMER: the conditions, methods and factors affecting the handling, storage, application, use and disposal of the product are not under the control and knowledge of the manufacturer. Therefore the manufacturer does not assume responsibility for any adverse events which may occur in the handling, storage, application, use, misuse or disposal of the product and, so far as permitted by applicable law, the manufacturer expressly disclaims liability for any and all loss, damages and/or expenses arising out of or in any way connected to the storage, handling, use or disposal of the product. Safe handling, storage, use and disposal are the responsibility of the users. Users must comply with all applicable health and safety laws.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.