



SAFETY DATA SHEET

BARTOLINE - Superstik Solvent Free Grab Adhesive (300g Tube)

According to Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830.

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

1.1. Product identifier

Product name BARTOLINE - Superstik Solvent Free Grab Adhesive (300g Tube)

REACH registration notes No REACH registration number required as this product is a mixture.

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

Identified uses A versatile dispersion based adhesive.

Uses advised against Not to be used for any other purpose than stated above.

1.3. Details of the supplier of the safety data sheet

Supplier Bartoline Limited
Barmston Close
Beverley
East Yorkshire
HU17 0LW
01482 678710
info@bartoline.co.uk

Contact person Product Compliance Manager

1.4. Emergency telephone number

Emergency telephone 01482 678710 (8.30am - 4.45pm Monday to Friday) or NHS 111 (General Public) (24 Hour service)

National emergency telephone number National Poisons Information Service (24hours) 0844 892 0111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

Precautionary statements P102 Keep out of reach of children.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of water.

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Supplemental label information Contains preservatives to control microbial deterioration: Pyrithione Zinc, 2-methyl-2H-isothiazol-3-one & 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Dolomite (Substance with a workplace exposure limit)	60-70%
CAS number: 16389-88-1	EC number: 240-440-2
Classification	
Not Classified	

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

Composition comments This is a solvent free emulsion based adhesive.

Ingredient notes Other than mentioned this product does not contain any hazardous substances in an individual concentration equal to or greater than those required to be disclosed in accordance with Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	This is a non hazardous mixture and as such any ill health effects are unlikely to have been caused by contact with this product. Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Treat symptomatically. Show this Safety Data Sheet to the medical personnel.
Inhalation	Unlikely route of exposure. Due to the small packaging, the risk of inhalation is minimal. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. General first aid, rest, warmth and fresh air.
Ingestion	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS. Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists after washing.
Protection of first aiders	This is a non hazardous product and therefore no protection should be required, however consideration should be given to other contaminants in the workplace. No specific requirements are anticipated under normal conditions of use. First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	See Section 11 for additional information on health hazards.
Inhalation	No specific symptoms known.
Ingestion	There may be soreness and redness of the mouth and throat.
Skin contact	There may be mild irritation at the site of contact.
Eye contact	Irritating and may cause redness and pain.

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

Notes for the doctor	Treat symptomatically.
Specific treatments	If adhesive bonding occurs, prise the skin apart slowly, working from the edge of the bonded area. This can be eased by using warm soapy water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards	No specific precautions due to the small quantities handled.
Hazardous combustion products	None known. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	No specific firefighting precautions known.
Special protective equipment for firefighters	In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
For non-emergency personnel	No specific advice required.
For emergency responders	Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

6.2. Environmental precautions

Environmental precautions	As this product is only supplied in small quantities there is a low risk of any environmental damage.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	This product is a viscous paste and will not travel if accidentally released. Scrape up uncured product and place into a container for disposal. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery. For waste disposal, see Section 13.
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6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	This is a non hazardous product. No specific requirements are anticipated under normal conditions of use. When handled correctly, undamaged units represent no danger. Read and follow manufacturer's recommendations.
Advice on general occupational hygiene	Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate hand lotion to prevent defatting and cracking of skin. Change work clothing daily before leaving workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Protect from freezing and direct sunlight. Keep container dry. Keep in a cool, well ventilated place. Store in accordance with local regulations.
Storage class	Unspecified storage.

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
Usage description	Keep containers closed when not in use. Keep out of reach of children. Apply "common sense" measures when handling this product. Always follow on pack instructions when using this product. Where possible avoid prolonged contact with the skin.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

There are no occupational exposure limits for the product as a whole. See information for listed hazardous ingredients.

Dolomite (Substance with a workplace exposure limit)

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Short-term exposure limit (15-minute): WEL 4 mg/m³ respirable dust

2-(2-butoxyethoxy)ethanol

The data quoted is taken from the Raw Material suppliers MSDS.

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m³

Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m³

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

No information on supplier MSDS and no information in HSE EH40/2005 Workplace Exposure Limits.

Pyrithione zinc

Long-term exposure limit (8-hour TWA):

According to the Suppliers MSDS this substance has no occupational exposure limit values.

WEL = Workplace Exposure Limit

Ingredient comments The data below is taken from the REACH Registration portal for this substance.

Dolomite (Substance with a workplace exposure limit) (CAS: 16389-88-1)

DNEL The available hazard data does not support the need for any DNEL's

PNEC No data available from supplier MSDS or REACH Registration portal.

2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)

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Ingredient comments	The data quoted below is taken from the supplier MSDS.
DNEL	Workers - Inhalation; Short term local effects: 14 ppm Workers - Dermal; Long term systemic effects: 20 mg/kg/day Workers - Inhalation; Long term systemic effects: 10 ppm Workers - Inhalation; Long term local effects: 10 ppm General population - Inhalation; Short term local effects: 7.5 mg/m ³ General population - Inhalation; Long term systemic effects: 5 mg/kg/day General population - Dermal; Long term systemic effects: 10 mg/kg/day General population - Oral; Long term systemic effects: 1.3 mg/kg/day General population - Inhalation; Long term local effects: 5 mg/m ³

PNEC	- Fresh water; 1 mg/l - Marine water; 0.1 mg/l - Sediment (Freshwater); 4 mg/l - Sediment (Marinewater); 0.4 mg/l - STP; 200 mg/l - Soil; 0.4 mg/l
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1,2-benzisothiazol-3(2H)-one (CAS: 2634-33-5)

DNEL	No data available from supplier of the substances.
PNEC	No data available from the substance supplier.

Pyrithione zinc (CAS: 13463-41-7)

DNEL	Data taken from the ECHA REACH Registration Portal. Industry - Dermal; Long term systemic effects: 0.01 mg/kg
PNEC	Data taken from the ECHA REACH Registration Portal. Industry - Fresh water; Long term 90 ng/l Industry - Marine water; Long term 90 ng/l Industry - STP; Long term 0.01 mg/l Industry - Sediment (Freshwater); Long term 0.0095 mg/kg - Sediment (Marinewater); Long term 0.0095 mg/kg - Soil; Long term 1.02 mg/kg

8.2. Exposure controls

Appropriate engineering controls	Protective engineering solutions should be implemented, and in use, before Personal Protective Equipment (PPE) is considered.
Personal protection	This product is supplied in ready to use cartridges, and when used correctly, poses very little risk to man.
Eye/face protection	Where there is a risk of splashes to the eyes it is recommended that safety glasses/goggles approved to EN166 standard are worn.
Hand protection	Although the product is not classified as a skin irritant, the wearing of gloves is recommended for people with sensitive skin or for prolonged or repeated use. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. To protect hands from chemicals, gloves should comply with European Standard EN374. Wear protective gloves made of the following material: Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber).
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.

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Hygiene measures	Good personal hygiene procedures should be implemented. Wash promptly with soap and water if skin becomes contaminated. Wash after use and before eating, smoking and using the toilet. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Respiratory protection	No specific requirements are anticipated under normal conditions of use.
Thermal hazards	Not Applicable

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Paste.
Colour	White.
Odour	Barely perceptible.
Odour threshold	No information available.
pH	Ready to use state. pH (concentrated solution): 7.5 - 8.5
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	> 100°C
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Bulk density	1.575 - 1.775 kg/l
Solubility(ies)	Soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Kinematic viscosity > 20.5 mm ² /s.
Explosive properties	Not available.
Explosive under the influence of a flame	Not available.
Oxidising properties	Not available.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

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9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid frost.

10.5. Incompatible materials

Materials to avoid None known.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects See information on individual substances below. Unless stated otherwise the data quoted below is for the hazardous ingredients.

Skin corrosion/irritation

Skin corrosion/irritation May cause defatting of the skin but is not an irritant. Prolonged and frequent contact may cause redness and irritation. (Mixture as a whole)

Serious eye damage/irritation

Serious eye damage/irritation Although not classified as an eye irritant, contact with the eyes may cause slight irritation and redness. (Mixture as a whole)

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met. (Mixture as a whole)

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met. (Mixture as a whole)

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met. (Mixture as a whole)

Genotoxicity - in vivo Based on available data the classification criteria are not met. (Mixture as a whole)

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met. (Mixture as a whole)

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met. (Mixture as a whole)

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Reproductive toxicity - development Based on available data the classification criteria are not met. (Mixture as a whole)

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met. (Mixture as a whole)

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met. (Mixture as a whole)

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met. (Mixture as a whole)

Inhalation The product is considered to be a low hazard under normal conditions of use. (Mixture as a whole)

Ingestion No harmful effects expected from quantities likely to be ingested by accident. (Mixture as a whole)

Skin contact The product is considered to be a low hazard under normal conditions of use. Repeated exposure may cause skin dryness or cracking. (Mixture as a whole)

Eye contact The product is considered to be a low hazard under normal conditions of use. May be slightly irritating to eyes. There may be mild irritation and redness. (Mixture as a whole)

Medical considerations The following pre-existing or historic medical conditions of the worker may lead to an increased risk of adverse health effects following exposure to this product: History of smoking. Pre-existing eye problems. Skin disorders and allergies.

Toxicological information on ingredients.

Dolomite (Substance with a workplace exposure limit)

Toxicological effects The data below is taken from the suppliers MSDS. The severity of acute effects is such that significant repeated or prolonged exposure is unlikely.

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 5,001.0

Acute toxicity - dermal

ATE dermal (mg/kg) 2,000.01

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 5.01

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

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Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	Based on available data the classification criteria are not met.

2-(2-butoxyethoxy)ethanol

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	7,291.0
Species	Rat
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	7,291.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,764.0
Species	Rabbit
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	2,764.0
<u>Acute toxicity - inhalation</u>	

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Notes (inhalation LC₅₀)	In an acute inhalation risk assessment assay that followed the basic principles as described in OECD test guideline 403, rats were exposed to an atmosphere saturated with vapors of the substance 2 -(2 -butoxyethoxy)ethanol for a period of 2 hours. Documentation of clinical signs was performed over the 8-day study period. No signs of mortality or adverse clinical signs apart from evidence for some eye irritation were observed. This could have been due to aerosol exposure as the vapour generation method did not exclude this possibility. On the basis of this result, the substance does not warrant classification for an acute inhalation hazard.
ATE inhalation (vapours mg/l)	20.01
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	In a fully documented skin irritation study that followed the main requirements of the appropriate OECD guideline, six rabbits were used to assess the skin irritancy of 2 -(2 -butoxyethoxy)ethanol. Whilst all animals showed irritant effects with both erythema and odema observed, the level of severity seen along with the speed of recovery of the animals (all reversed) did not indicate that the substance should be classified as irritant in the EU.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	In an eye irritancy study that closely followed guidelines, 2 -(2 -butoxyethoxy)ethanol was found to cause significant eye irritation. Some of the lesions, notably the iris and corneal effects persisted until the end of the 21 day study, whilst conjunctival redness and odema had fully disappeared within 14 days. Although effects which remain persistent up to the end of the observation period (21 days) should be regarded as irreversible effects and warrant classification of the substance as a serious eye irritant
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No specific test data are available.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	In an in vitro forward gene mutation assay at the HGPRT locus of CHO cells, 2 -(2 -butoxyethoxy)ethanol did not elicit a positive response when tested up to the maximum recommended dose of 5000ul/ml with and without S9 metabolic activation.
Genotoxicity - in vivo	Based on available data the classification criteria are not met. In an in vivo mouse micronucleus test that used 3 post treatment sampling times, 2 -(2 -butoxyethoxy)ethanol did not increase the incidence of micronucleated polychromatic erythrocytes in either sex when tested up to a single maximum tolerated dose of 3300mg/kg/bw
<u>Carcinogenicity</u>	
Carcinogenicity	No information available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	There was no evidence of reproductive toxicity resulting from treatment of rats with 2-(2-butoxyethoxy)ethanol with a dermally applied dose of 2000mg/kg bw/day.

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Reproductive toxicity - development In a study that conformed to the basic requirements of the relevant OECD guideline, 2-(2-butoxyethoxy)ethanol produced no significant evidence of developmental toxicity when fed to rats in their diet at doses up to 633mg/kg bw/day during the whole gestation period (GD0 -20). A small satellite group which looked at residual effects in pups after birth for up to 10 weeks also failed to show any effects on the parameters assessed.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

2-methylisothiazol-3(2H)-one

Acute toxicity - oral

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

ATE dermal (mg/kg) 300.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 0.5

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,020.0

Species Rat

ATE oral (mg/kg) 1,020.0

Acute toxicity - dermal

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

Species Rat

ATE dermal (mg/kg) 2,001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 5.01

Species Rat

ATE inhalation (dusts/mists mg/l) 5.01

Pyrithione zinc

Acute toxicity - oral

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Acute toxicity oral (LD ₅₀ mg/kg)	269.0
Species	Rat
ATE oral (mg/kg)	269.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD ₅₀ mg/kg)	2,000.01
Species	Rat
ATE dermal (mg/kg)	2,000.01
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC ₅₀ dust/mist mg/l)	1.03
Species	Rat
ATE inhalation (dusts/mists mg/l)	1.03

SECTION 12: Ecological Information

Ecotoxicity See information on individual substances below.

Ecological information on ingredients.

Dolomite (Substance with a workplace exposure limit)

Ecotoxicity Information taken from supplier MSDS. The product is not expected to be hazardous to the environment.

12.1. Toxicity

Toxicity The product is not classified as dangerous for the environment but contains small amount of substances so classified.

Ecological information on ingredients.

Dolomite (Substance with a workplace exposure limit)

Acute aquatic toxicity

Acute toxicity - fish	Not considered toxic to fish.
Acute toxicity - aquatic invertebrates	No acute toxicity to Daphnia.
Acute toxicity - aquatic plants	No acute toxicity to Algae
Acute toxicity - microorganisms	No acute toxicity to bacteria.

2-(2-butoxyethoxy)ethanol

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 7 days: 1150 mg/l, Poecilia reticulata (Guppy)
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Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 2850 mg/l, Daphnia magna
Acute toxicity - aquatic plants	toxicity threshold (NOAEC), 8 days: 53 mg/l, Microcystis aeruginosa
Acute toxicity - microorganisms	In an study to assess the toxicity to micro-organisms, Entosiphon sulcatum were exposed for 72hrs to nominal concentrations of 2 -(2 -butoxyethoxy)ethanol under static conditions. Based on the results of this study, this substance has some toxicity to micro-organisms or waste water treatment systems. It should be borne in mind that exposure times were longer than is typical for a guideline study. Results synopsis TT: 72hr: = 73mg/l.

2-methylisothiazol-3(2H)-one

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

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

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

Acute toxicity - fish	LC ₅₀ , 96 hour: 0.8 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hour: 4.4 mg/l, Daphnia magna

Pyrithione zinc

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

Chronic aquatic toxicity

NOEC	0.001 < NOEC ≤ 0.01
Degradability	Rapidly degradable
M factor (Chronic)	1

12.2. Persistence and degradability

Persistence and degradability	No data available.
Phototransformation	Not available.
Stability (hydrolysis)	Not available.
Biodegradation	Not available.
Biological oxygen demand	Not available.
Chemical oxygen demand	Not available.

Ecological information on ingredients.

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Dolomite (Substance with a workplace exposure limit)

Persistence and degradability The product is not biodegradable.

2-(2-butoxyethoxy)ethanol

Stability (hydrolysis) Not available.

Biodegradation The substance is readily biodegradable.

Biological oxygen demand BOD28 91.7 %

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Ecological information on ingredients.

Dolomite (Substance with a workplace exposure limit)

Bioaccumulative potential No data available on bioaccumulation.

2-(2-butoxyethoxy)ethanol

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility No data available.

Adsorption/desorption coefficient Not available.

Henry's law constant Not available.

Surface tension Not available.

Ecological information on ingredients.

Dolomite (Substance with a workplace exposure limit)

Mobility These minerals are dissolved in a natural state and indispensable part of the natural waters.

2-(2-butoxyethoxy)ethanol

Adsorption/desorption coefficient Not available.

Henry's law constant An estimated Henry's law constant of 15.2E-9 atm.m³/mol at 25C indicates a that evaporation from water will be negligible.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This mixture contains no substances considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information on ingredients.

Dolomite (Substance with a workplace exposure limit)

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Results of PBT and vPvB assessment Not Classified as PBT/vPvB by current EU criteria.

2-(2-butoxyethoxy)ethanol

Results of PBT and vPvB assessment Not Classified as PBT/vPvB by current EU criteria.

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

Results of PBT and vPvB assessment This substance is considered not to be PBT and vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	The generation of waste should be minimised or avoided wherever possible. The packaging must be empty (drop-free when inverted). Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Waste class	<p>When this product, in its liquid state, as supplied becomes waste it should be disposed of using the following waste code. EU Waste Code 08 04 10: waste adhesives and sealants other than those mentioned in 08 04 09. Part-used containers should be disposed of using waste code: EU Waste Code 08 04 10: waste adhesives and sealants other than those mentioned in 08 04 09. Empty plastic containers can be disposed of using EU Waste code 15 01 02 plastic packaging. It is usually obvious if a container is 'empty', for example a half empty tin of solidified paint is not empty, but where there is a small amount of residual material a container will not be empty if that residual material can be removed by physical or mechanical means by applying normal industry standards or processes.</p> <p>This means that all reasonable efforts must have been made to remove any left-over contents from the container. This may involve for example washing, draining or scraping. The method of emptying will depend on the container and the type of material it contains.</p> <p>Note: if the design of the packaging, its aperture, or the adherent nature of the material does not permit it to be emptied then it will not be a packaging waste.</p> <p>If a container is not 'empty' it is not packaging waste. It should be classified on the basis of its contents and the source or activity that produced it. These codes have been assigned based on the actual composition of the product as supplied. If mixed with other wastes, the waste codes quoted may not be applicable.</p>

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SECTION 14: Transport information

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 Not applicable.

and the IBC Code

SECTION 15: Regulatory information

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

National regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended).
EH40/2005 Workplace exposure limits.
Health and Safety at Work etc. Act 1974 (as amended).

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 22 May 2012 concerning the making available on the market the use of biocidal products. Labelling of 'treated articles' according to Regulation (EU) 528/2012, Article 58.
Contains: a mixture 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) May produce an allergic reaction.

Guidance

Workplace Exposure Limits EH40.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are known for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions on use are known for this product.

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	When surfaces are to be prepared for painting account must be taken of the age of the property and the possibility that lead may be present. As a working rule you should assume that this will be the case if the age of the property is pre 1960. Where possible wet flattening or chemical stripping methods should be used with surfaces of this type to avoid the formation of lead dust.
Training advice	The information on directions for use can be found on the product label. It is important to ensure that anyone using this product in the workplace has been adequately trained and in particular: The use of personal protective equipment, methods of cleaning up and disposal of waste. The basic first aid arrangements.
Revision comments	DUE TO CHANGE OF CLASSIFICATION DATABASE THE REVISION NUMBERING HAS BEEN RESET. You should therefore look at the revision date rather than the revision number to ensure you have the most up to date version. Changes to supplemental label information in section 2
Issued by	Product Compliance Assistant
Revision date	26/11/2018
Revision	5
Supersedes date	08/05/2018
SDS number	5012
SDS status	Approved.

The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830 and Regulation (EC) No 1272/2008 (CLP). The product should not be used for purposes other than those shown in Section 1.2. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present knowledge and the current EU and UK Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.