

**EVO-STIK GRIPFILL SOLVENT FREE**  
Supersedes Date: 04-Feb-2020

Revision date 27-Apr-2020  
Revision Number 2

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

### 1.1. Product Identifier

**Product Name** EVO-STIK GRIPFILL SOLVENT FREE  
**Pure substance/mixture** Mixture

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

**Recommended use** Adhesive.  
**Uses advised against** None known

### 1.3. Details of the supplier of the safety data sheet

#### Company Name

Bostik Limited  
Common Rd  
ST16 3EH  
Stafford UK  
Tel: +44 (1785) 27 26 25  
Fax: +44 (1785) 25 72 36

**E-mail address** SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

**United Kingdom** +44 (1785) 272650  
**Ireland** +353 (1) 8624900 (Monday- Friday 9am-5pm)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

<b>Skin sensitisation</b>	Category 1 - (H317)
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### 2.2. Label Elements

Contains: 2-methyl-2H-isothiazol-3-one [MIT], 1,2-benzisothiazol-3(2H)-one [BIT]



**Signal word**  
WARNING

**Hazard statements**  
H317 - May cause an allergic skin reaction.

### Precautionary statements

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P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P261 - Avoid breathing vapours.  
P280 - Wear protective gloves and eye/face protection.  
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap.  
P501 - Dispose of contents/ container to an approved waste disposal plant.

## 2.3. Other Hazards

No information available

## PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT) This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2. Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Diethylene glycol monobutyl ether	203-961-6	112-34-5	0.1 - <1	Eye Irrit. 2 (H319)		01-2119475104-44-XXXX
1,2-benzisothiazol-3(2H)-one [BIT]	220-120-9	2634-33-5	0.01 - <0.05	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Acute Tox. 2 (H330) Aquatic Chronic 2 (H411) (M Factor Acute =1)	Skin Sens. 1 :: C>=0.05%	01-2120761540-60-XXXX
Zinc pyrithione	236-671-3	13463-41-7	0.0015 - <0.01	Eye Dam. 1 (H318) Acute Tox. 3 (H301) Acute Tox. 3 (H331) Aquatic Acute 1 (H400) (M Factor Acute=100) Aquatic Chronic 1 (H410) (M Factor Chronic=10)		01-2119511196-46-XXXX

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2-methyl-2H-isothiazol-3-one [MIT]	220-239-6	2682-20-4	0.0015 - <0.01	Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (M Factor Acute =10)	Skin Sens. 1 :: C>=0.0015%	01-2120764690-50-xxxx
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## Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.
<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a doctor.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.
<b>Ingestion</b>	Call a doctor immediately. If swallowed, rinse mouth with water (only if the person is conscious). Small amounts of toxic methanol are released by hydrolysis.

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

<b>Symptoms</b>	None known.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to doctors</b>	Treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam.
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**Unsuitable extinguishing media** Full water jet.

## **5.2. Special hazards arising from the substance or mixture**

**Specific hazards arising from the chemical** Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

## **5.3. Advice for firefighters**

**Special protective equipment for fire-fighters** Wear self contained breathing apparatus for fire fighting if necessary.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing.

**Other information** Ventilate the area. Prevent further leakage or spillage if safe to do so.

**For emergency responders** Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

**Environmental precautions** Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

### **6.3. Methods and material for containment and cleaning up**

**Methods for containment** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

### **6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Protect from moisture. Keep at temperatures between 5 and 35 °C. Keep away from food, drink and animal feedingstuffs.

### **7.3. Specific end use(s)**

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## Specific Use(s)

Adhesive.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Other information** Observe technical data sheet.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Exposure Limits

Chemical name	European Union	Ireland	United Kingdom
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup> STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup>
Sodium hydroxide 1310-73-2	-	STEL: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)** No information available

#### Derived No Effect Level (DNEL)

##### 1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)

Type	worker Long term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	6.81 mg/m <sup>3</sup>

Type	worker Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	0.966 mg/kg bw/d

#### Derived No Effect Level (DNEL)

##### 1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)

Type	Consumer Long term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	1.2 mg/m <sup>3</sup>

Type	Consumer Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	0.345 mg/kg bw/d

**Predicted No Effect Concentration (PNEC)** No information available.

#### Predicted No Effect Concentration (PNEC)

##### 1,2-benzisothiazol-3(2H)-one [BIT] (2634-33-5)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	4.03 µg/l
Marine water	0.403 µg/l
Sewage treatment plant	1.03 mg/l
Freshwater sediment	49.9 µg/l
Marine sediment	4.99 µg/l
Soil	3 mg/kg dry weight

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## 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166

**Hand protection** Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Wear suitable gloves. Recommended Use: Neoprene™. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Gloves must conform to standard EN 374

**Skin and body protection** None under normal use conditions.

**Respiratory protection** Wear a respirator conforming to EN 140 with Type A/P2 filter or better. In case of inadequate ventilation wear respiratory protection. Ensure adequate ventilation, especially in confined areas.

**Recommended filter type:** Brown. Organic gases and vapours filter conforming to EN 14387. White.

**Environmental exposure controls** Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state** Paste / Gel Liquid  
**Appearance** Paste  
**Colour** White  
**Odour** No information available  
**Odour threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	No data available	
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable for liquids .	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Relative density	No data available	
Water solubility	No data available	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive properties	No data available	
Oxidising properties	No data available	

### 9.2. Other information

**Solid content (%)** No information available  
**VOC Content (%)** No information available  
**Density** 1.6

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity Product cures with moisture.

### 10.2. Chemical stability

Stability Stable under normal conditions.

#### Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid Protect from moisture.

### 10.5. Incompatible materials

Incompatible materials None known based on information supplied.

### 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

##### Product Information

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

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

Skin contact May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).

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

#### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

#### Numerical measures of toxicity

##### Acute Toxicity

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## Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene glycol monobutyl ether 112-34-5	=5660 mg/kg (Rattus)	= 2700 mg/kg (Oryctolagus cuniculus)	
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	=670 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	
Zinc pyrithione 13463-41-7	=177 mg/kg (Rattus)	= 100 mg/kg (Oryctolagus cuniculus)	4h = 1.03 mg/L (Rattus) 4 h
2-methyl-2H-isothiazol-3-one [MIT] 2682-20-4	LD50 =285 mg/Kg (Rattus)	LD50 >242 mg/Kg (Rattus)	=0.11 mg/L (Rattus) 4 h

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

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

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

**Respiratory or skin sensitisation** May cause sensitisation by skin contact.

Component Information			
2-methyl-2H-isothiazol-3-one [MIT] (2682-20-4)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	Sensitizing

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

**Reproductive toxicity** Based on available data, the classification criteria are not met.

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

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

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

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor	M-Factor (long-term)
Diethylene glycol monobutyl ether 112-34-5	EC50: >100mg/L (96h, Desmodesmus)	LC50: =1300mg/L (96h, Lepomis)	-	EC50: =2850mg/L (24h, Daphnia)		

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	subspicatus)	macrochirus)		magna) EC50: >100mg/L (48h, Daphnia magna)		
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	EC50 3Hr 13mg/l (activated sludge) (OECD 209)	LC50 (96hr) 2.15 mg/l Cyprinodon variegatus EPA 540/9-85-006	-	EC50(48hr) 2.94 mg/l (Daphnia Magna) OECD 202	1	1
Zinc pyriithione 13463-41-7	EC50 (72hr) 0.0013 mg/l (Skeletonema costatum) (ISO 10253) 0.051 mg/l (Pseudokirchner iella subcapitata) (OECD 201)	EC50(96hr) 0.0104 mg/l (Brachydanio rerio) (OECD 203)	-	EC50 (48h) =0.038 mg/L Crustaceans (Ilyocypris dentifera)	100	10
2-methyl-2H-isothiazol-3-one [MIT] 2682-20-4	EC50 (72hr) 0.157 mg/l (Pseudokirchner iella subcapitata) (OECD 201)	EC50 (96hr) 5.71 mg/l (Oncorhynchus mykiss) OECD 203	-	EC50 (48hr) 1.68 mg/l (Daphnia) (OECD 202)	10	1

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

Component Information			
Zinc pyriithione (13463-41-7)			
Method	Exposure time	Value	Results
OECD Test No. 309: Aerobic Mineralization in Surface Water - Simulation Biodegradation Test		biodegradation Half-life	Readily biodegradable 0.5 days

2-methyl-2H-isothiazol-3-one [MIT] (2682-20-4)			
Method	Exposure time	Value	Results
OECD Test No. 308: Aerobic and Anaerobic Transformation in Aquatic Sediment Systems		Half-life	1.28-2.1 days
OECD Test No. 309: Aerobic Mineralization in Surface Water - Simulation Biodegradation Test		biodegradation Half-life	Readily biodegradable 4.1 days

## 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

## Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	0.7	6.95
Zinc pyriithione 13463-41-7	1.21	-
2-methyl-2H-isothiazol-3-one [MIT] 2682-20-4	-0.32	3.16

## 12.4. Mobility in soil

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**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** . The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Diethylene glycol monobutyl ether 112-34-5	The substance is not PBT / vPvB PBT assessment does not apply
1,2-benzisothiazol-3(2H)-one [BIT] 2634-33-5	The substance is not PBT / vPvB
Zinc pyrithione 13463-41-7	The substance is not PBT / vPvB
2-methyl-2H-isothiazol-3-one [MIT] 2682-20-4	The substance is not PBT / vPvB

## 12.6. Other adverse effects

**Other adverse effects** No information available.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**Waste from residues/unused products** Uncured product should be disposed of as hazardous waste. Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

**Contaminated packaging** Handle contaminated packages in the same way as the product itself.

**Waste codes / waste designations according to EWC / AVV** 15 01 10\*: Packaging containing residues of or contaminated by dangerous substances. 16 03 03\* inorganic wastes containing hazardous substances. 16 05 05 gases in pressure containers other than those mentioned in 16 05 04. Waste codes should be assigned by the user based on the application for which the product was used.

**European Waste Catalogue** 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

**Other information** Waste codes should be assigned by the user based on the application for which the product was used.

## **SECTION 14: Transport information**

### Land transport (ADR/RID)

**14.1 UN Number** Not regulated  
**14.2 Proper Shipping Name** Not regulated  
**14.3 Transport hazard class(es)** Not regulated  
**14.4 Packing Group** Not regulated  
**14.5 Environmental hazards** Not applicable  
**14.6 Special Provisions** None

### IMDG

**14.1 UN number** Not regulated  
**14.2 Proper Shipping Name** Not regulated  
**14.3 Transport hazard class(es)** Not regulated  
**14.4 Packing group** Not regulated  
**14.5 Marine Pollutant** Np

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- 14.6 Special Provisions None  
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

## Air transport (ICAO-TI / IATA-DGR)

- 14.1 UN number Not regulated  
14.2 Proper Shipping Name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special Provisions None

## Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Diethylene glycol monobutyl ether	112-34-5	55.

CAS 112-34-5 restricted for use in aerosol products sold to general public. Products for general public with level above 3% should be labeled "Do not use in paint spraying equipment".

##### **Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

##### **Persistent Organic Pollutants**

Not applicable

### 15.2. Chemical safety assessment

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Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No  
Chemical Safety Assessment has been carried out for this mixture

## SECTION 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H301 - Toxic if swallowed  
H302 - Harmful if swallowed  
H311 - Toxic in contact with skin  
H314 - Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H330 - Fatal if inhaled  
H331 - Toxic if inhaled  
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

#### Legend

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue

#### Key literature references and sources for data

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 27-Apr-2020

#### Indication of changes

**Revision note** Not applicable.

**Training Advice** When working with hazardous materials, regular training of operators is required by law

**Further information** No information available

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**