

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

EVO-STIK CARPET ADHESIVE Supercedes Date: 01-Nov-2017 Revision Date 10-Dec-2018 Revision Number 2

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

#### 1.1. Product Identifier

Product Name EVO-STIK CARPET ADHESIVE

Pure substance/mixture Mixture

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

**Recommended use** Adhesives and/or sealants.

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

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Chronic aquatic toxicity	Category 2 - (H411)
Aerosols	Category 1 - (H222)

### 2.2. Label Elements

Contains: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Hydrocarbons, C6, isoalkanes, <5% n-hexane, Acetone



Signal word DANGER

# **Hazard statements**

H315 - Causes skin irritation

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H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H411 - Toxic to aquatic life with long lasting effects

H222 - Extremely flammable aerosol

H229 - Pressurised container: May burst if heated

#### **Precautionary statements**

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P211 - Do not spray on an open flame or other ignition source

P251 - Do not pierce or burn, even after use

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear protective gloves and eye/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P391 - Collect spillage

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

P501 - Dispose of contents/ container to an approved waste disposal plant

#### **Additional information**

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings when supplied to the general public unless the product is placed on the market in the form of aerosols or in a container with a sealed spray attachment.

#### 2.3. Other Hazards

No information available

# PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or 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
Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene	270-704-2	68476-85-7	>25 - <40	Flam. Gas 1 (H220) Press. Gas		No data available
Acetone	200-662-2	67-64-1	15 - 25	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)		01-2119471330- 49-XXXX
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	927-510-4		10 - <20	STOT SE 3 (H336) Asp. Tox. 1		01-2119475515- 33-xxxx

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			(H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225)	
Hydrocarbons, C6, isoalkanes, <5% n-hexane	931-254-9	 5 - <10	STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam Liq. 2 (H225) (EUH066)	01-2119484651- 34-XXXX

### Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classifed, 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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

**General advice** Take a copy of the Safety Data Sheet when going for medical treatment.

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses

and continue flushing for at least 15 minutes. Get medical attention if irritation develops

and persists.

**Skin contact** Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical

attention if irritation develops and persists.

**Ingestion** Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water.

Get medical attention if symptoms occur. Never give anything by mouth to an

unconscious person.

**Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the

material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with

skin, eyes or clothing.

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

Symptoms May cause redness and tearing of the eyes. Irritating to skin. Inhalation of high vapour

concentrations may cause symptoms like headache, dizziness, tiredness, nausea and

vomiting.

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

**Note to doctors**Treat symptomatically.

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# **SECTION 5: Firefighting measures**

5.1. Extinguishing media

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Suitable extinguishing media Dry chemical. Carbon dioxide (CO2). Water spray.

Unsuitable extinguishing media DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cylinders may rupture under extreme heat. Damaged cylinders should be handled only by specialists. Containers may explode when heated.

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5.3. Advice for firefighters

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

# SECTION 6: Accidental release measures

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

Personal precautions Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Ensure

adequate ventilation. Use personal protective equipment as required. See section 8 for more information. ELIMINATE all ignition sources (no smoking, flares, sparks or flames

in immediate area). Take precautionary measures against static discharges.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or

spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment If possible, turn leaking containers so that gas escapes rather than liquid. 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. Take precautionary

measures against static discharges.

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 Contents under pressure. Keep in an area equipped with sprinklers. Keep away from

heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not puncture or incinerate cans. Avoid contact with skin, eyes or clothing. Avoid breathing vapours or mists. In case of

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insufficient ventilation, wear suitable respiratory equipment. Use personal protection

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recommended in Section 8.

General hygiene considerations Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work

area and clothing is recommended.

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

Storage Conditions Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition

(i.e., pilot lights, electric motors and static electricity). Do not store near combustible

materials. Keep in an area equipped with sprinklers.

7.3. Specific end use(s)

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Specific Use(s)

Adhesives and/or sealants.

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
Petroleum gases, liquefied <0.1%	-	TWA: 1000 ppm	TWA: 1000 ppm
w/w 1,3 Butadiene		TWA: 1800 mg/m <sup>3</sup>	TWA: 1750 mg/m <sup>3</sup>
68476-85-7		STEL: 2250 mg/m <sup>3</sup>	STEL: 1250 ppm
		STEL: 1250 ppm	STEL: 2180 mg/m <sup>3</sup>
Acetone	TWA: 500 ppm	TWA: 500 ppm	TWA: 500 ppm
67-64-1	TWA: 1210 mg/m <sup>3</sup>	TWA: 1210 mg/m <sup>3</sup>	TWA: 1210 mg/m <sup>3</sup>
	_	STEL: 1500 ppm	STEL: 1500 ppm
		STEL: 3630 mg/m <sup>3</sup>	STEL: 3620 mg/m <sup>3</sup>

Derived No Effect Level (DNEL) No information available

**Derived No Effect Level (DNEL)** 

Acetone (67-64-1)

Type Long term Systemic health effects Worker

Exposure route Dermal

Derived No Effect Level (DNEL) 186 mg/kg bw/d

Type Short term Local health effects Worker

Exposure route Inhalation
Derived No Effect Level (DNEL) 2420 mg/m³

Type Long term Systemic health effects Worker

Exposure route Inhalation
Derived No Effect Level (DNEL) 1210 mg/m³

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

## 8.2. Exposure controls

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

**Personal Protective Equipment** 

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Eye/face protection Tight sealing safety goggles. Face protection shield.

Gloves made of plastic or rubber. Skin and body protection

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

# SECTION 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

**Physical State** Aerosol **Appearance** Aerosol

Colour No information available Odour No information available **Odour Threshold** No information available

**Property** Values Remarks • Method

No data available pН Melting point / freezing point No data available Boiling point / boiling range  $= -40 \, ^{\circ}\text{C}$ < -60 °C **Flash Point Evaporation Rate** No data available Flammability (solid, gas) No data available

Flammability Limit in Air

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

**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 No data available **Oxidising properties** 

9.2. Other information

No information available Solid content (%) No information available **Softening Point Molecular Weight** No information available No information available **VOC** (volatile organic compound) **Density** No information available **Bulk Density** No information available

# SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions. Revision Date 10-Dec-2018

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**Explosion Data** 

Sensitivity to mechanical

None.

impact

Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

**Conditions to avoid** Heat, flames and sparks.

10.5. Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

**Hazardous decomposition** 

products

None under normal use conditions. Stable under recommended storage conditions.

# **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Information on likely routes of exposure

Product information

**Inhalation** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or

fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness.

**Eye contact** Irritating to eyes. Causes serious eye irritation.

**Skin contact** Causes skin irritation.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Redness. May cause redness and tearing of the eyes. Inhalation of high vapour

concentrations may cause symptoms like headache, dizziness, tiredness, nausea and

vomiting.

Numerical measures of toxicity

**Acute Toxicity** 

The following values are calculated based on chapter 3.1 of the GHS document

#### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg (Rat)	>15800 mg/Kg (rat)	= 79 mg/l( Rat ) 4 h
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	LD50 >5840 mg/kg Rat	LD50 >2920 mg/kg (Rat)	

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Hydrocarbons, C6, isoalkanes, <5% n-hexane 	>16750 mg/Kg (rat)	>3350 mg/Kg (rabbit OECD 402)	259354 mg/m³ (vapour) (rat OECD 403)

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

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

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

Chemical Name	European Union
Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene	Muta. 1B
68476-85-7	

<u>Carcinogenicity</u> Based on available data, the classification criteria are not met.

Chemical Name	European Union
Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene	Carc. 1A
68476-85-7	

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

**STOT - single exposure** May cause drowsiness or dizziness.

**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** Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor
Acetone 67-64-1	-	LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss)	EC50 = 14500 mg/L 15 min	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 	-	-	-	EL50 (48h) =3mg/L Daphnia	<del>.</del>
Hydrocarbons, C6, isoalkanes, <5% n-hexane 	13.6 mg/l (Pseudokirchneriell a subcapitata)	18.3 mg/l (Oncorhynchus mykiss)	-	31.9 mg/l (Daphnia magna)	<u>-</u>

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## 12.2. Persistence and degradability

No information available. Persistence and degradability

12.3. Bioaccumulative potential

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

#### **Component Information**

Chemical Name	Partition coefficient	Bioconcentration factor (BCF)
Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene 68476-85-7	2.8	-
Acetone 67-64-1	-0.24	0.69
Hydrocarbons, C6, isoalkanes, <5% n-hexane	3.6	501

### 12.4. Mobility in soil

No information available. Mobility in soil

### 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
Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene 68476-85-7	The substance is not PBT / vPvB
Acetone 67-64-1	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

Dispose of contents/ container to an approved landfill.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture of

weld containers.

according to EWC / AVV

Waste codes / waste designations Waste codes should be assigned by the user based on the application for which the

product was used.

Waste codes should be assigned by the user based on the application for which the Other information

product was used.

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# **SECTION 14: Transport information**

**Note:** The shipping descriptions shown here are for bulk shipments only, and may not apply to

shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material.

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Land transport (ADR/RID)

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**14.1 UN Number** UN1950

**14.2 Proper Shipping Name** Aerosols, Environmentally Hazardous

14.3 Transport hazard class(es) 2 Labels 2.1

14.4 Packing Group Not regulated

**Description** UN1950, Aerosols, 2, (D), Environmentally Hazardous

14.5 Environmental hazards Yes

**14.6 Special Provisions** 190, 327, 344, 625

Classification Code 5F Tunnel restriction code (D) Limited Quantity (LQ) 1 L

**IMDG** 

**14.1 UN Number** UN1950

**14.2 Proper Shipping Name** Aerosols (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), Marine Pollutant

14.3 Transport hazard class(es) 2.1

14.4 Packing Group Not regulated

**Description** UN1950, Aerosols (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), 2.1, Marine

Pollutant

14.5 Marine Pollutant P

**14.6 Special Provisions** 63,190, 277, 327, 344, 381, 959

**Limited Quantity (LQ)**See SP277 **EmS-No.**F-D, S-U

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

Air transport (ICAO-TI / IATA-DGR)

**14.1 UN Number** UN1950

**14.2 Proper Shipping Name** Aerosols, flammable

14.3 Transport hazard class(es) 2.1

14.4 Packing Group Not regulated

**Description** UN1950, Aerosols, flammable, 2.1

14.5 Environmental hazards Yes

**14.6 Special Provisions** A145, A167, A802

Limited Quantity (LQ) 30 kg G ERG Code 10L

# 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)

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance

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#### with Article 59

This product does not contain candidate substances of very high concern at a concentration >=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
Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene	68476-85-7	28. 29.

#### EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

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

Dangerous substance category per Seveso Directive (2012/18/EU)

P3a - FLAMMABLE AEROSOLS P3b - FLAMMABLE AEROSOLS E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Chemical Name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene -	50	200
68476-85-7		

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

Not applicable

### **Persistent Organic Pollutants**

Not applicable

# National Regulations

# 15.2. Chemical safety assessment

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

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H225 - Highly flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H411 - Toxic to aquatic life with long lasting effects

EUH066 - Repeated exposure may cause skin dryness or cracking

#### Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals STOT RE Specific target organ toxicity - Repeated exposure

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STOT SE Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

#### Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

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Indication of changes

Revision note Not applicable.

Training Advice No information available

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**