

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

EVO-STIK STICKS LIKE SEALANT CLEAR

Supercedes Date: 16-Oct-2019

Revision date 16-Oct-2019 Revision Number 1

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

 1.1. Product Identifier
 EVO-STIK STICKS LIKE SEALANT CLEAR

 Pure substance/mixture
 Mixture

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

 Recommended use
 Adhesives. Sealant.

 Uses advised against
 Not to be used in production of toys or childcare articles

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

 Company Name
 Bostik Limited

 Common Rd
 ST16 3EH

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)

2.2. Label Elements

Contains: N-(3-(trimethoxysilyl)propyl)ethylenediamine, Dioctyltinbis(acetylacetonate)



Signal word WARNING

Hazard statements

H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation

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Precautionary statements

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

- P102 Keep out of reach of children
- P264 Wash face, hands and any exposed skin thoroughly after handling
- 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

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

2.3. Other Hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

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
Silane, ethenyltrimethoxy-	220-449-8	2768-02-7	1- <2.5	Acute Tox. 4 (H332) Flam. Liq. 3 (H226)		01-2119513215- 52-XXXX
N-(3-(trimethoxysilyl)pro pyl)ethylenediamine	217-164-6	1760-24-3	1- <2.5	Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H332) STOT SE 3 (H335)		01-2119970215- 39-XXXX
Dioctyltinbis(acetylaceto nate)	483-270-6	54068-28-9	0.1 - <1	STOT SE 2 (H371) Skin Sens. 1 (H317)	Skin Sens. 1 :: C>=5%	01-000020199- 67-XXXX

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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

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General advice	Show this safety data sheet to the doctor in attendance.	
Inhalation	Remove to fresh air.	
Eye contact	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. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.	
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.	
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.	
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).	
4.2. Most important symptoms and	d effects, both acute and delayed	
Symptoms	Itching. Rashes. Hives. Burning sensation.	
4.3. Indication of any immediate m	edical attention and special treatment needed	
Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.	
SECTION 5: Firefighting me	asures	
5.1. Extinguishing media		
Suitable extinguishing media	Dry chemical, CO2, alcohol-resistant foam or water spray.	
Unsuitable extinguishing media	Full water jet. Do not scatter spilled material with high pressure water streams.	
5.2. Special hazards arising from t	he substance or mixture	
Specific hazards arising from the chemical	Product is or contains a sensitiser. May cause sensitisation by skin contact.	
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 rele	ase measures	
6.1. Personal precautions, protect	ive equipment and emergency procedures	
Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.	
Other information	Refer to protective measures listed in Sections 7 and 8.	
For emergency responders	Use personal protection recommended in Section 8.	
6.2. Environmental precautions		
Environmental precautions	Do not flush into surface water or sanitary sewer system. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information	

soil/subsoil. See Section 12 for additional Ecological Information.

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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	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.	
7.2. Conditions for safe storage, inc	cluding any incompatibilities	
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Keep from freezing.	
7.3. Specific end use(s)		
Specific Use(s) Adhesives. Sealant.		
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

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

Chemical name	European Union	Ireland	United Kingdom
Diisononyl phthalate	-	TWA: 5 mg/m ³	TWA: 5 mg/m ³
28553-12-0		STEL: 15 mg/m ³	STEL: 15 mg/m ³
Methyl alcohol	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm
67-56-1	TWA: 260 mg/m ³	TWA: 260 mg/m ³	TWA: 266 mg/m ³
	*	STEL: 600 ppm	STEL: 250 ppm
		STEL: 780 mg/m ³	STEL: 333 mg/m ³
		Sk*	Sk*

Derived No Effect Level (DNEL) No in

No information available

Derived No Effect Level (DNEL)		
Silane, ethenyltrimethoxy- (2768-02	-7)	
Туре	worker Systemic health effects Long term	
Exposure route	Inhalation	

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Type worker Systemic health effects Long term Exposure route Dermal Derived No Effect Level (DNEL) 3,9 mg/kg bw/d N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3) Type worker Systemic health effects Long term Exposure route Inhalation Derived No Effect Level (DNEL) 35.5 mg/m ³		
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Exposure route Oral	F	
Derived No Effect Level (DNEL) 0,3 mg/kg bw/d		
	Derived No Effect Level (DNEL)	0,3 mg/kg bw/d

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)		
Туре	Consumer Systemic health effects Long term	
Exposure route	Oral	
Derived No Effect Level (DNEL)	2.5 mg/kg bw/d	
Туре	Consumer Systemic health effects Long term	
Exposure route	Inhalation	
Derived No Effect Level (DNEL)	8.7 mg/m ³	
Туре	Consumer Systemic health effects Long term	
Exposure route	Dermal	
Derived No Effect Level (DNEL)	2.5 mg/kg bw/d	

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Predicted No Effect Concentration No information available. (PNEC)

Predicted No Effect Concentration (PNEC)	
Silane, ethenyltrimethoxy- (2768-02-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.34 mg/l
Marine water	0.034 mg/l
Microorganisms in sewage treatment	110 mg/l

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.062 mg/l	
Marine water	0.0062 mg/l	
Sewage treatment plant	25 mg/l	

Dioctyltinbis(acetylacetonate) (54068-28-9)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	26 μg/l	
Marine water	2.6 μg/l	
Freshwater - intermittent	260 μg/l	
Sewage treatment plant	1 mg/l	
Freshwater sediment	0.155 mg/kg dry weight	
Marine sediment	0.0155 mg/kg dry weight	
Soil	0.0158 mg/kg dry weight	

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment	
Eye/face protection	Tight sealing safety goggles.
Hand protection	Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.
Skin and body protection	Suitable protective clothing.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Appearance Colour Odour	Solid Solid clear Characteristic	
Odour threshold	No information available	
Property pH Melting point / freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas) Flammability Limit in Air	<u>Values</u> Not applicable . No data available > 34 °C > 60 °C No data available No data available	<u>Remarks • Method</u>
Upper flammability or explosive	No data available	
limits Lower flammability or explosive limits	No data available	

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Vapour pressure Vapour density Relative density Water solubility Solubility(ies) Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidising properties	No data available No data available No data available Insoluble in water Insoluble in water No data available No data available No data available No data available No data available No data available No data available		
9.2. Other information Solid content (%) Softening Point Molecular weight VOC Content (%) Density Bulk density	No information available No information available No information available 0 g/L / 0 % 1.05 g/cm ³ No information available	European directive n°2010/75/UE	
SECTION 10: Stability and re	eactivity		
10.1. Reactivity			
Reactivity	No information available.		
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 read	tions		
Possibility of hazardous reactions	None under normal processing.		
10.4. Conditions to avoid			
Conditions to avoid	Keep from freezing.		
10.5. Incompatible materials			
Incompatible materials	None known based on information su	pplied.	
10.6. Hazardous decomposition pr	oducts		
Hazardous decomposition products	None under normal use conditions. Si	table under recommended storage conditions.	

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation	May cause irritation of respiratory tract.
Eye contact	Causes serious eye irritation. May cause redness, itching, and pain.
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). May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Symptoms related to the physical	I, chemical and toxicological characteristics
Symptoms	Itching. Rashes. Hives. May cause redness and tearing of the eyes.
Numerical measures of toxicity	
Acute Toxicity	

The following values are calculated based on chapter 3.1 of the GHS documentATEmix (inhalation-dust/mist)140.13 mg/lATEmix (inhalation-vapour)521.60 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Silane, ethenyltrimethoxy- 2768-02-7	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3360 µL/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403
N-(3-(trimethoxysilyl)propyl)eth ylenediamine 1760-24-3	=2295 mg/kg (Rattus)	>2000 mg/Kg (Rattus)	LC50 4H (Aerosol)1.5 - 2.44 mg/L air
Dioctyltinbis(acetylacetonate) 54068-28-9	LD50 =2500 mg/kg (Rattus)	LD50 >2000 mg/kg (Rattus)	

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

Skin corrosion/irritation May cause skin irritation.

Component Information					
Silane, ethenyltrimethoxy-	(2768-02-7)				
Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	0.5 mL	24 hours	Non-irritant

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:	Rabbit				Mild skin irritant
Acute Dermal					
Irritation/Corrosion					

Serious eye damage/eye irritation Causes serious eye irritation.

Component Information					
Silane, ethenyltrimethoxy- (2768-02-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye		24 hours	Non-irritant
Acute Eye					
Irritation/Corrosion					

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Respiratory or skin sensitisation May cause sensitisation by skin contact.

Component Information				
Silane, ethenyltrimethoxy- (2768-02-7)				
Method	Species	Exposure route	Results	
OECD Test No. 406: Skin Guinea pig Dermal Not a skin sensitiser Sensitisation				

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)				
Method	Species	Exposure route	Results	
OECD Test No. 406: Skin	Guinea pig	Dermal	sensitising	
Sensitisation				

Germ cell mutagenicity

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

Component Information				
Silane, ethenyltrimethoxy- (2768-02-7)				
Method	Species	Results		
OECD Test No. 471: Bacterial Reverse	in vitro	Not mutagenic		
Mutation Test		-		

Carcinogenicity

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

Reproductive toxicity

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

Component Information		
Silane, ethenyltrimethoxy- (2768-02-7)		
Method	Species	Results
OECD Test No. 422: Combined Repeated	Rat	Not Classifiable
Dose Toxicity Study with the		
Reproduction/Developmental Toxicity		
Screening Test		

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.

Component Information					
Silane, ethenyltrimethoxy-	· (2768-02-7)				
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 413:	Rat	Inhalation vapour		90 days	0.058 NOAEL
Sub-chronic Inhalation					
Toxicity: 90-day Study					

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
Silane,	EC 50 (72h) > 957	LC50 (96h) = 191	-	EC50(48hr)	-

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ethenyltrimethoxy-	mg/l	mg/l		168.7mg/l (Daphnia	
2768-02-7	(Desmodesmus	(Oncorhynchus		magna)	
	subspicatus)	mykiss)			
	EU Method C.3				
N-(3-(trimethoxysilyl)pro	-	LC50 (96H) =597	-	EC50 (48h)	-
pyl)ethylenediamine		mg/L (Danio		=81mg/L Daphnia	
1760-24-3		rerio)Semi-static		magna Static	
Dioctyltinbis(acetylaceto	-	LC50 (96h) =86	-	EC50 (48h) =58.6	-
nate)		mg/L (Static)		mg/L (Daphnia	
54068-28-9				magna)	

12.2. Persistence and degradability

Persistence and degradability No information available.

Component Information				
Silane, ethenyltrimethoxy- (2768-02-7)				
Method	Exposure time	Value	Results	
OECD Test No. 301F: Ready	28 days	BOD	51 % Not readily	
Biodegradability: Manometric			biodegradable	
Respirometry Test (TG 301 F)				

12.3. Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Silane, ethenyltrimethoxy-	1.1	-
2768-02-7		
N-(3-(trimethoxysilyl)propyl)ethylenediami	-0.3	-
ne		
1760-24-3		

12.4. Mobility in soil

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
Silane, ethenyltrimethoxy- 2768-02-7	The substance is not PBT / vPvB
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	The substance is not PBT / vPvB
Dioctyltinbis(acetylacetonate) 54068-28-9	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects

No information available.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods	
Waste from residues/unused	Dispose of contents/container in accordance with local, regional, national, and
products	international regulations as applicable.

Contaminated packaging	Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.
Other information	Waste codes should be assigned by the user based on the application for which the

		Transport		_
CECTIO			1	
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		riansport	momal	

Note:	Keep from freezing.
Land transport (ADR/RID) 14.1 UN Number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing Group 14.5 Environmental hazards 14.6 Special Provisions	Not regulated Not regulated Not regulated Not regulated Not applicable None
IMDG 14.1 UN number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group 14.5 Marine Pollutant 14.6 Special Provisions 14.7 Transport in bulk according	Not regulated Not regulated Not regulated Not regulated Np None to Annex II of MARPOL 73/78 and the IBC Code Not applicable

product was used.

Air	trans	port	(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 >=0.1% (Regulation (EC) No.

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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
Diisononyl phthalate	28553-12-0	52[a].

52. Not to be used in toys or childcare articles above 0.1% which can be placed in the mouth by children.

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

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

- H226 Flammable liquid and vapour
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H332 Harmful if inhaled
- H335 May cause respiratory irritation
- H371 May cause damage to organs

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				
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

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Revision date	16-Oct-2019
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