

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008 This SDS is for generic information purposes and does not reflect required country specific information for OEL

ZWALUW SILICONE NO+ SANITARY GREY

Supercedes Date: 12-May-2021

Revision date 21-Jul-2021 Revision Number 1.02

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

Product Name	ZWALUW SILICONE NO+ SANITARY GREY
Pure substance/mixture	Mixture

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

Recommended use	Sealant.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company Name Bostik Benelux B.V. Denariusstraat 11 4903 RC Oosterhout The Netherlands Tel: + 31 162 491 000

E-mail address

SDS.box-EU@bostik.com

1.4. Emergency telephone number

Emergency Telephone

No information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Chronic	aquatic	toxicity	/
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Category 3 - (H412)

2.2. Label elements

Signal word None

Hazard statements

H412 - Harmful to aquatic life with long lasting effects.

EU Specific Hazard Statements

EUH208 - Contains 3-(Triethoxysilyl) propylamine & 2-octyl-2H-isothiazol-3-one [OIT]. May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

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

P102 - Keep out of reach of children

P273 - Avoid release to the environment

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. Small amounts of ethanol (CAS

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64-17-5) are formed by hydrolysis and released upon curing. Small amounts of 2-Pentanone oxime (CAS 623-40-5) are formed by hydrolysis and released upon curing.

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
2-Pentandione, O,O',O''-(methylsilylidyn e)trioxime	484-460-1	37859-55-5	1 - <2.5	Acute Tox. 4 (H302) Eye Irrit. 2 (H319)		01-2120004323- 76-XXXX
Titanium dioxide	236-675-5	13463-67-7	0.1- <1	Carc. 2 (H351i)		01-2119489379- 17-XXXX
3-(Triethoxysilyl) propylamine	213-048-4	919-30-2	0.1- <1	Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H302)		01-2119480479- 24-XXXX
2-octyl-2H-isothiazol-3-o ne [OIT]	247-761-7	26530-20-1	0.0015 - <0.01	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) M Factor Acute =100 M Factor Chronic = 100	Skin Sens. 1A :: C>=0.0015%	_

NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex V of REACH

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.

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1907/2006 (REACH), Article 59)

SECTION 4: First aid measu	ires		
4.1. Description of first aid measu	res_		
General advice	If medical advice is needed, have product container or label at hand.		
Inhalation	Remove to fresh air. (Call a doctor 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. Consult an ophthalmologist.		
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.		
Ingestion	Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.		
4.2. Most important symptoms and	d effects, both acute and delayed		
Symptoms	None known.		
4.3. Indication of any immediate m	nedical attention and special treatment needed		
Note to doctors	Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released, when the product is exposed to moisture or water. Treat symptomatically.		
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable Extinguishing Media	Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.		
Unsuitable extinguishing media	Full water jet.		
5.2. Special hazards arising from t	he substance or mixture		
Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapours.		
Hazardous combustion products	Carbon dioxide (CO2). Silicon dioxide.		
5.3. Advice for firefighters			
Special protective equipment and precautions 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. Avoid breathing vapours or mists. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing.		

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

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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 cont	ainment and cleaning up
Methods for containment	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
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 s	torage
7.1. Precautions for safe handling	_
Advice on safe handling	Ensure adequate ventilation. Avoid breathing vapours or mists. Use personal protection equipment. Avoid contact with skin, eyes or clothing.
General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off all contaminated clothing and wash it before reuse.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage Conditions	Protect from moisture. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from food, drink and animal feedingstuffs.
7.3. Specific end use(s)	
Specific use(s) Sealant.	
Identified uses Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
Other information	Observe technical data sheet.
SECTION 8: Exposure contr	ols/personal protection
8.1. Control parameters	
Exposure Limits	Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing
Only European Community Occur	ational Exposure Limits will be shown in this document. Please refer to regional

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	European Union
Methyl alcohol	TWA: 200 ppm
67-56-1	TWA: 260 mg/m ³
	*

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
Titanium dioxide (13463-67-7)			
Туре	Exposure route	Derived No Effect Level	Safety factor

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		(DNEL)	
worker	Inhalation	10 mg/m ³	
Long term			
Local health effects			

3-(Triethoxysilyl) propylamii	ne (919-30-2)		
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	59 mg/m³	
worker Short term Systemic health effects	Inhalation	59 mg/m³	
worker Long term Systemic health effects	Dermal	8.3 mg/kg bw/d	
worker Short term Systemic health effects	Dermal	8.3 mg/kg bw/d	

Derived No Effect Level (DNEL)			
Titanium dioxide (13463-67-7)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	700 mg/kg bw/d	

3-(Triethoxysilyl) propylamine (919-30-2)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	17 mg/m³	
Consumer Short term Systemic health effects	Inhalation	17.4 mg/m³	
Consumer Long term Systemic health effects	Dermal	5 mg/kg bw/d	
Consumer Short term Systemic health effects	Dermal	5 mg/kg bw/d	

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

Predicted No Effect Concentration (PNEC)	
Titanium dioxide (13463-67-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Marine water	0.0184 mg/l
Freshwater sediment	1000 mg/kg
Freshwater	0.184 mg/l
Marine sediment	100 mg/kg
Soil	100 mg/kg
Microorganisms in sewage treatment	100 mg/l
Freshwater - intermittent	0.193 mg/l

3-(Triethoxysilyl) propylamine (919-30-2)

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Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.33 mg/l
Marine water	0.033 mg/l

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	Wear suitable gloves. Recommended Use:. Neoprene [™] . Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. 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	Wear suitable protective clothing.
Respiratory protection	In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better.
Recommended filter type:	Organic gases and vapours filter conforming to EN 14387. White. Brown.

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 Appearance Colour Odour Odour threshold	Solid Paste Grey Characteristic No information available	
Property pH pH (as aqueous solution) Melting point / freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability Flammability Limit in Air Upper flammability or explosive	Values No data available No data available No data available > 300 °C > 100 °C No data available No data available	Remarks • Method Not applicable Insoluble in water
limits Lower flammability or explosive limits	No data available	
Vapour pressure Relative vapour density Relative density Water solubility Solubility(ies)	100 No data available 1.26 Immiscible in water Product cures with moisture No data available	hPa @ 20 °C
Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidising properties	No data available No data available	

9.2. Other information

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Solid content (%)	No information available
VOC Content (%) Density	1.26 g/cm ³
Minimum Ignition Temperature (°C)>200
SECTION 10: Stability and re	eactivity
10.1. Reactivity	
Reactivity	Product cures with moisture.
10.2. Chemical stability	
Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical	None.
impact Sensitivity to static discharge	None.
10.3. Possibility of hazardous reac	tions
Possibility of hazardous reactions	None under normal processing.
10.4. Conditions to avoid	
Conditions to avoid	Product cures with moisture. Protect from moisture. Exposure to air or moisture over prolonged periods.
10.5. Incompatible materials	
Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition pro	oducts
Hazardous decomposition products	Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing.
SECTION 11: Toxicological i	nformation
11.1. Information on toxicological	effects
Information on likely routes of exp	osure
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	Based on available data, the classification criteria are not met.
Ingestion	Based on available data, the classification criteria are not met.
Symptoms related to the physical,	chemical and toxicological characteristics
Symptoms	No information available.

Numerical measures of toxicity

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Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document ATEmix (oral) 53,136.70 mg/kg

ATEmix (oral)	53,136.70	mg/kg
ATEmix (dermal)	71,573.10	mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-Pentandione,	LD50 =1234 mg/kg bw	LD50 > 2000 mg/kg (Rattus)	
O,O',O''-(methylsilylidyne)trioxi	(Rattus)(OECD guideline 425)	EU Method B.3	
me			
37859-55-5			
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
13463-67-7			
3-(Triethoxysilyl) propylamine	LD50 = 1490 mg/kg (Rat,	LD50 = 4076 mg/kg	LC50 >144 mg/L (6h) Rat
919-30-2	female) EPA OTS 798.1175	(Oryctolagus cuniculus) EPA	(Vapour)
	LD50 = 2690 mg/kg (Rat,	OTS 798.1100	
	male) EPA OTS 798.1175		
2-octyl-2H-isothiazol-3-one	=125 mg/kg (Rattus)	= 690 mg/kg (Oryctolagus	
[OIT]		cuniculus)	
26530-20-1			

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

Skin corrosion/irritation

on 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

on No classification is proposed, based on conclusive negative data. OECD Test No. 406: Skin Sensitisation. No sensitisation responses were observed. May produce an allergic reaction.

Product Information			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	No sensitisation responses were observed

Germ cell mutagenicity

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

Carcinogenicity

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

Chemical name	European Union
Titanium dioxide	Carc. 2
13463-67-7	

The table below indicates whether each agency has listed any ingredient as a carcinogen.

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.
Europe - BE	

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Aspiration hazard

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
2-Pentandione, O,O',O''-(methylsilylidy ne)trioxime 37859-55-5	EC50 (72h) = 88 mg/L (Pseudokirchner iella subcapitata) OECD 201	>113 mg/Ĺ	-	EC50 (48h) >100 mg/L (Daphnia magna) static (OECD guideline 202)		
Titanium dioxide 13463-67-7	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-	-		
3-(Triethoxysilyl) propylamine 919-30-2	EC50 (72h) >1000 mg/L Green algae (desmodesmus subspicatus) (OECD TG 201)	LC50 (96h) >934 mg/L (Brachydanio rerio) (OECD TG 203)	-	EC50 (48h) =331 mg/L Daphnia magna (OECD TG 202)		
2-octyl-2H-isothiazol-3- one [OIT] 26530-20-1	EC50(72h) = 0.084 mg/L (Scenedesmus subspicatus) (OECD 201)	LC50 (96h) = 0.036 mg/L (Oncorhynchus mykiss) (OECD 203)	-	EC50 (48h) =0.42 mg/L (OECD 202)	100	100

12.2. Persistence and degradability

Persistence and degradability No information available.

 Component Information

 2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)

 Method
 Exposure time
 Value
 Results

 OECD Test No. 309: Aerobic
 Half-life 0.6-1.4 d
 Readily biodegradable

 Mineralization in Surface Water Simulation Biodegradation Test
 Half-life 0.6-1.4 d
 Readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulation

There is no data for this product.

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Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
2-Pentandione,	1.25	3.1
O,O',O''-(methylsilylidyne)trioxime		
37859-55-5		
3-(Triethoxysilyl) propylamine	1.7	3.4
919-30-2		
2-octyl-2H-isothiazol-3-one [OIT]	2.92	-
26530-20-1		

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
2-Pentandione, O,O',O"-(methylsilylidyne)trioxime	The substance is not PBT / vPvB
37859-55-5	
Titanium dioxide	The substance is not PBT / vPvB
13463-67-7	PBT assessment does not apply
3-(Triethoxysilyl) propylamine	The substance is not PBT / vPvB
919-30-2	
2-octyl-2H-isothiazol-3-one [OIT]	The substance is not PBT / vPvB
26530-20-1	

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 in accordance with local, regional, national, and international regulations as applicable.
Contaminated packaging	Handle contaminated packages in the same way as the product itself.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
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 or ID 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

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Not applicable

IMDG		
14.1 UN number or ID 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	
14.6 Special Provisions	None	
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code		
<u>Air transport (ICAO-TI / IATA-DGR)</u>		

<u>Air transport (ICAO-TI / IATA-DGR)</u>		
14.1 UN number or ID 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. 1907/2006 (REACH), Article 59)

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

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

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

National regulations

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France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
2-octyl-2H-isothiazol-3-one [OIT]	RG 5,RG 14,RG 15,RG 15bis,RG 20bis
26530-20-1	RG 2,RG 9,RG 14,RG 20,RG 34,RG 65

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV No flammable liquids in accordance with BetrSichV

Water hazard class (WGK) obvious	sly hazardous to water (WGK 2)
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TRGS - 510 Storage Class Storage Class 11 : Combustible solids

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands) Not Listed

DenmarkRegistration number(s) (P-no.)No information availableNorwayRegistration number(s) (PRN-no.)No information available

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

- H301 Toxic if swallowed
- H302 Harmful if swallowed
- H311 Toxic in contact with skin
- H314 Causes severe skin burns and eye damage
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H319 Causes serious eye irritation
- H330 Fatal if inhaled
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects

Legend

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Key literature references and sources for data No information available

Prepared By	Product Safety & Regulatory Affairs
Revision date	21-Jul-2021
Indication of changes	
Revision note	SDS sections updated: 2, 3, 11, 12, 15.
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