SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
GHS: The Globally Harmonized System of Classification and Labeling of Chemicals

BOSTIK MSR CA SSKF WHITE
Revision Number 3.01

Revision date 15-Aug-2021
Supersedes Date: 19-Nov-2020

1. Identification

Product identifier

Product Name BOSTIK MSR CA SSKF WHITE
Pure substance/mixture Mixture

Details of the supplier of the safety data sheet

Responsible Party
Bostik New Zealand Limited
19 Eastern Hutt Road Wingate,
Lower Hutt, New Zealand
Tel: 04-567 5119
Fax: 04-567 5412

Manufacturer
Bostik SA
420 rue d'Estienne d'Orves
92700 Colombes
FRANCE
Tel: +33 (0)1 49 00 90 00

E-mail address SDS.AP@Bostik.com

Emergency telephone number

Emergency Telephone 24 Hr: 0800 243 622
+64 4 917 9888
Poison Centre : 0800 764 766

Recommended use of the chemical and restrictions on use

Recommended use Adhesives and/or sealants
Restrictions on use No information available
Uses advised against Consumer use

2. Hazard(s) identification

Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)
Classification in parenthesis is applicable for New Zealand Hazard Classification

Label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Prevention
P264 - Wash hands thoroughly after handling
P281 - Use personal protective equipment as required
Skin
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Eyes
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Storage
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
Disposal
P501 - Dispose of contents/containers in accordance with local regulations

Other hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing May be harmful in contact with skin

3. Composition/information on ingredients

Substance
Not applicable.

Mixture
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Chemical name	CAS No.	Weight-%
Carbonic acid, calcium salt (1:1)	471-34-1	40 - <80
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.-[3-(dimethoxymethylsilyl)propyl]-.omega.-[3-(dimethoxymethylsilyl)propoxy-]	75009-88-0	20- <40
.alpha., .alpha.', .alpha.''-1,2,3-Propanetriyltris[.omega.-(3-dimethoxymethylsilyl) propoxy] poly[oxy(methyl-1,2-ethanediyl)]	151865-59-7	20- <40
Trimethoxyvinylsilane	2768-02-7	1 - <3
Titanium dioxide	13463-67-7	1 - <3
1-Propanamine, 3-(trimethoxysilyl)-	13822-56-5	1 - <3
Fatty acids, C16-18, sodium salts	68424-38-4	1 - <3
Calcium distearate	1592-23-0	0.1- <1
A mixture of: bis(2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-1,10-decanedioate; 1,8-bis[(2,2,6,6-tetramethyl-4-((2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-decan-1,10-dioyl)piperidin-1-yl)oxy]octane	129757-67-1	0.1- <1
Color paste based on inorganic pigments (white) - WGK 1	--	0.1- <1
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	0.1- <1
Antioxidant	--	0.01 - < 0.1
Dioctyltin oxide	870-08-6	0.01 - < 0.1
Synthetic antioxidant	--	0.01 - < 0.1
Methyl alcohol	67-56-1	0.01 - < 0.1
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-	77-99-6	<0.01
Toluene	108-88-3	<0.01
Methyl alcohol	67-56-1	<0.01
Methyl silicate	681-84-5	<0.01

*** *Any remaining ingredients are not hazardous*

4. First-aid measures

Description of necessary first aid measures

General advice Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.

Inhalation Remove to fresh air. If symptoms persist, call a physician.

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.

Skin contact Wash skin with soap and water.

Ingestion Call a physician immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Small amounts of toxic methanol are released by hydrolysis.

Most important symptoms/effects, acute and delayed
Symptoms None known.

For emergency responders
Self-protection of the first aider No information available.

Note to physicians Treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media Full water jet.

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

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). Silicon oxides. Silicon dioxide.

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing.
For emergency responders Use personal protection recommended in Section 8.

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

Methods and material for containment and cleaning up
Do not scatter spilled material with high pressure water streams. Do not scatter spilled material with high pressure water streams.
Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling
Handle in accordance with good industrial hygiene and safety practice.
Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
See Section 8 for information on appropriate personal protective equipment

Conditions for safe storage, including any incompatibilities
Protect from moisture. Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/personal protection

Occupational exposure limits

Chemical name	New Zealand	Australia	European Union
Carbonic acid, calcium salt (1:1) 471-34-1	TWA: 10 mg/m³	10 mg/m³ TWA	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	10 mg/m³ TWA	-
Calcium distearate 1592-23-0	TWA: 10 mg/m³	10 mg/m³ TWA	-
Dioctyltin oxide 870-08-6	TWA: 0.1 mg/m³ STEL: 0.2 mg/m³ Skin	0.1 mg/m³ TWA 0.2 mg/m³ STEL	-
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 262 mg/m³ STEL: 250 ppm STEL: 328 mg/m³ Skin	200 ppm TWA 262 mg/m³ TWA 250 ppm STEL 328 mg/m³ STEL	TWA: 200 ppm TWA: 260 mg/m³ *
Toluene 108-88-3	TWA: 50 ppm TWA: 188 mg/m³ Skin	50 ppm TWA 191 mg/m³ TWA 150 ppm STEL 574 mg/m³ STEL	TWA: 50 ppm TWA: 192 mg/m³ *
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 262 mg/m³ STEL: 250 ppm STEL: 328 mg/m³ Skin	200 ppm TWA 262 mg/m³ TWA 250 ppm STEL 328 mg/m³ STEL	TWA: 200 ppm TWA: 260 mg/m³ *
Methyl silicate 681-84-5	TWA: 1 ppm TWA: 6 mg/m³	1 ppm TWA 6 mg/m³ TWA	-

Chemical name	ACGIH TLV	NIOSH	OSHA PEL
Carbonic acid, calcium salt (1:1) 471-34-1	-	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	IDLH: 5000 mg/m³ TWA: 2.4 mg/m³ CIB 63 fine TWA: 0.3 mg/m³ CIB 63 ultrafine, including engineered nanoscale	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust
Calcium distearate 1592-23-0	TWA: 10 mg/m³ inhalable particulate matter except stearates of toxic metals TWA: 3 mg/m³ respirable particulate matter except stearates of toxic metals	-	-
Dioctyltin oxide 870-08-6	STEL: 0.2 mg/m³ Sn TWA: 0.1 mg/m³ Sn S*	IDLH: 25 mg/m³ Sn TWA: 0.1 mg/m³ except Cyhexatin Sn	TWA: 0.1 mg/m³ Sn (vacated) TWA: 0.1 mg/m³ Sn (vacated) S*
Methyl alcohol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm STEL: 325 mg/m³	TWA: 200 ppm TWA: 260 mg/m³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m³ (vacated) S*
Toluene 108-88-3	TWA: 20 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m³ Ceiling: 300 ppm
Methyl alcohol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm STEL: 325 mg/m³	TWA: 200 ppm TWA: 260 mg/m³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m³ (vacated) S*
Methyl silicate 681-84-5	TWA: 1 ppm	TWA: 1 ppm TWA: 6 mg/m³	(vacated) TWA: 1 ppm (vacated) TWA: 6 mg/m³

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

Engineering controls
Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	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. 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	None under normal use conditions.
Respiratory protection	In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas.
Recommended filter type:	Organic gases and vapors filter conforming to EN 14387. White. Brown.

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

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Paste
Color	White
Physical state	Solid
Odor	Slight
Odor threshold	Not applicable

Property	**Values**	**Remarks • Method**
pH	No data available	
pH (as aqueous solution)	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	No data available	
Evaporation rate	No data available	
Flammability	Not applicable for liquids .	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	
Relative vapor density	No data available	
Relative density	No data available	
Water solubility	Insoluble in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	375 °C	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	7000 - 13000 Pa.s	@ 20 °C

Additional information

Oxidizing properties	No information available
Solid content (%)	No information available
Density	1.49 g/ml

10. Stability and reactivity

Reactivity Product cures with moisture.

Stability Stable under normal conditions.

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Product cures with moisture. Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials None known based on information supplied.

Hazardous decomposition products None under normal use conditions. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

11. Toxicological information

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

Eye contact The test item induced a mean In-vitro irritancy score ≤ 3, the test item was considered as a test chemical not requiring classification for eye irritation or serious eye damage (UN GHS No Category).

Skin contact May be harmful in contact with skin.

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

Acute Toxicity

Numerical measures of toxicity

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

ATEmix (dermal) 4,100.70 mg/kg
ATEmix (inhalation-vapor) 420.40 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Carbonic acid, calcium salt (1:1)	LD50 > 2000 mg/kg (Rattus) OECD 420	LD50 >2000 mg/kg (Rattus) OECD 402	LC50 (4h) >3mg/ml (Rattus)
Trimethoxyvinylsilane	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
1-Propanamine, 3-(trimethoxysilyl)-	LD50 (Rattus) > 2000 mg/ kg (2,97 ml/kg) (OECD 401)	LD50 (Oryctolagus cuniculus) > 2000 mg/kg 11,3 ml/kg) OECD 402	-
Fatty acids, C16-18, sodium salts	>5000 mg/kg (Rattus)(OECD 401)	> 2 mL/kg (Oryctolagus cuniculus)	-
Calcium distearate	>10 g/kg (Rattus)	> 2000 mg/kg (Rat)	-
A mixture of: bis(2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-1,10-decanedi	LD50 >2000 mg/Kg (Rattus) OECD 401	LD50 >2000 mg/Kg (Rattus) OECD 402	-

oate; 1,8-bis[(2,2,6,6-tetramethyl-4-((2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-decan-1,10-dioyl) piperidin-1-yl)oxy]octane			
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	LD50 (Rattus)> 2000 mg/kg OECD 423	LD50 (Rattus) > 3 170 mg/kg OECD 402	=500 mg/m³ (Rattus) 4 h
Dioctyltin oxide	=2500 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus) OECD 402	-
Methyl alcohol	=2500 mg/kg (Rattus)	200-1000 mg/kg (Oryctolagus cuniculus)	=22500 ppm (Rattus) 8 h = 64000 ppm (Rattus) 4 h
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-	=14700 mg/kg (Rattus)	>10000 mg/Kg (Oryctolagus cuniculus)	>0.29 mg/L (Rattus) 4 h
Toluene	=5580 mg/kg (Rattus)	= 12000 mg/kg (Oryctolagus cuniculus)	>20 mg/L (Rattus) 4 h
Methyl alcohol	=2500 mg/kg (Rattus)	200-1000 mg/kg (Oryctolagus cuniculus)	=22500 ppm (Rattus) 8 h = 64000 ppm (Rattus) 4 h
Methyl silicate	-	= 17 g/kg (Oryctolagus cuniculus) = 17 mL/kg (Oryctolagus cuniculus)	= 335 mg/m³ (Rat) 4 h

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

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

Titanium dioxide (13463-67-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion					Non-irritant

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			Non-irritant

Serious eye damage/eye irritation By analogy to another tested similar product: No irritation after contact to the eyes. (H319 is void).

Product Information					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD 437 Bovine Corneal Opacity and Permeability (BCOP) test	Bovine	Corneal	Product 100 %	10 minutes	Product score <3 Non-irritant
Component Information					
Trimethoxyvinylsilane (2768-02-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye		24 hours	Non-irritant

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye		72 hours	irritant

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye			Eye Damage

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

Product Information			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	No sensitization responses were observed
Component Information			
Trimethoxyvinylsilane (2768-02-7)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	Not a skin sensitizer

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	Did not cause sensitization on laboratory animals

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig		No sensitization responses were observed

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

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

Carcinogenicity

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

Chemical name	China	IARC
Titanium dioxide	Possibly carcinogenic to humans	Group 2B
Toluene	-	Group 3

Legend

IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans

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

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

1-Propanamine, 3-(trimethoxysilyl)- (13822-56-5)		
Method	Species	Results
OECD Test No. 408: Repeated Dose 90-Day	Rat	Not Classifiable

Oral Toxicity Study in Rodents		

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)		
Method	Species	Results
OECD Test No. 414: Prenatal Development Toxicity Study	Rat, Rabbit	Reproductive toxicant

1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)- (77-99-6)		
Method	Species	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	NOAEL 800 mg/kg bw/day
OECD Test No. 414: Prenatal Development Toxicity Study	Rat	LOAEL 100 mg/kg bw/day

Toluene (108-88-3)		
Method	Species	Results
OECD 407	in vivo	Reproductive toxicant

Specific target organ toxicity (single exposure) Based on available data, the classification criteria are not met.

Component Information					
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)					
Dioctyltin oxide (870-08-6)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	Oral	5 mg/kg	28 days	0.3 - 0.5 mg/kg bw/day May cause damage to the following organs: Immune system

Specific target organ toxicity (repeated exposure) Based on available data, the classification criteria are not met.

Component Information					
Trimethoxyvinylsilane (2768-02-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 413: Subchronic Inhalation Toxicity: 90-day Study	Rat	Inhalation vapor		90 days	0.058 NOAEL

Dioctyltin oxide (870-08-6)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat Rabbit			28 days	0.3 -0.5 mg/kg bw/day

Target organ effects Respiratory system. Eyes. Skin. Lungs. Reproductive system.
Aspiration hazard Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Carbonic acid, calcium salt (1:1)	IC50 72H Algae >1000 mg/l	CL50 96H >1000 mg/l	EC50 48H Daphnia >1000 mg/l
Trimethoxyvinylsilane	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	LC50 (96h) = 191 mg/l (Oncorhynchus mykiss)	EC50(48hr) 168.7mg/l (Daphnia magna)
Titanium dioxide	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-
1-Propanamine, 3-(trimethoxysilyl)-	EC50 (72h) > 1000 mg/l (Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test)	LC50 (96h) > >934 mg/L (Danio rerio) OECD 203	EC50 (48h) = 331 mg/L (Daphnia magna) OECD 202
Fatty acids, C16-18, sodium salts	EC50: =120mg/L (96h, Desmodesmus subspicatus)	-	EC50: =86mg/L (72h, Gammarus pulex)
A mixture of: bis(2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-1,10-decanedioate; 1,8-bis[(2,2,6,6-tetramethyl-4-((2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-decan-1,10-dioyl)piperidin-1-yl)oxy]octane	-	LC50: >58mg/L (96h, Danio rerio)	-
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	EC50 72Hr 0.705 mg/l (Pseudokirchnerella subcapitata)	LC50 (96h) = 5.29 mg/l (Oryzias latipes)	LC50 48Hr 8.58 mg/l (Daphnia magna)
Dioctyltin oxide	EC50 (3hr) >1.000 mg/l (bacteria) (Activated Sludge, Respiration Inhibition Test)	LC50 (96hr) >0,09 mg/l (Brachydanio rerio (zebra)) (Acute Toxicity Test)	EC50 (48Hr) >0,21 mg/l (Daphnia magna (Dappnia magna)) (Daphnia sp. Acute Immobilisation Test)
Methyl alcohol	-	LC50 96 h > 100 mg/L (Pimephales promelas static)	-
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-	-	LC50: =21700mg/L (48h, Cyprinodon)	EC50: 10330 - 16360mg/L (48h, Daphnia magna) EC50: =13000mg/L (48h, Daphnia species)
Toluene	EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)	EC50: =11.5mg/L (48h, Daphnia magna) EC50: 5.46 - 9.83mg/L (48h, Daphnia magna)
Methyl alcohol	-	LC50: >100mg/L (96h, Pimephales promelas) LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss) LC50: =28200mg/L (96h, Pimephales promelas) LC50: 13500 - 17600mg/L (96h, Lepomis macrochirus) LC50: 19500 - 20700mg/L (96h, Oncorhynchus mykiss)	-

Persistence and degradability No information available.

Bioaccumulative potential There is no data for this product.

Component Information

Chemical name	Partition coefficient
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.-[3-(dimethoxymethylsilyl)propyl]-.omega.-[3-(dimethoxymethylsilyl)propoxy-]	1.8
Trimethoxyvinylsilane	1.1
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	0.35
Dioctyltin oxide	6

Methyl alcohol	-0.77
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-	-2.37
Toluene	2.7
Methyl alcohol	-0.77

Chemical name	PBT and vPvB assessment
Carbonic acid, calcium salt (1:1) 471-34-1	The substance is not PBT / vPvB PBT assessment does not apply
Trimethoxyvinylsilane 2768-02-7	The substance is not PBT / vPvB
Titanium dioxide 13463-67-7	The substance is not PBT / vPvB PBT assessment does not apply
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	The substance is not PBT / vPvB
Fatty acids, C16-18, sodium salts 68424-38-4	The substance is not PBT / vPvB
Calcium distearate 1592-23-0	The substance is not PBT / vPvB
A mixture of: bis(2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-1,10-decanedioate; 1,8-bis[(2,2,6,6-tetramethyl-4-((2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-decan-1,10-dioyl)piperidin-1-yl)oxy]octane 129757-67-1	The substance is not PBT / vPvB
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	The substance is not PBT / vPvB
Dioctyltin oxide 870-08-6	The substance is not PBT / vPvB
Methyl alcohol 67-56-1	The substance is not PBT / vPvB PBT assessment does not apply Further information relevant for the PBT assessment is necessary
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)- 77-99-6	The substance is not PBT / vPvB PBT assessment does not apply
Toluene 108-88-3	The substance is not PBT / vPvB PBT assessment does not apply
Methyl alcohol 67-56-1	The substance is not PBT / vPvB PBT assessment does not apply Further information relevant for the PBT assessment is necessary
Methyl silicate 681-84-5	The substance is not PBT / vPvB

Mobility in soil No information available.

13. Disposal considerations

Waste chemicals

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

14. Transport information

IMDG Not regulated

IATA Not regulated

ADR Not regulated

Special precautions for user
Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory information

National regulations

ERMA Group Not applicable

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. Other information

Abbreviations and acronyms

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Prepared By Product Safety & Regulatory Affairs
Revision date 15-Aug-2021
Revision note SDS sections updated. 2. 3. 8. 9. 10. 11. 12. 16.

Key literature references and sources for data used to compile the SDS
New Zealand's Chemical Classification and Information Database (CCID)
World Health Organization

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