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

MSR DC ADVANCED black
Revision Number 1.01

Revision date 20-Jan-2022
Supersedes Date: 02-Mar-2021

Section 1: Identification

Product identifier

Product Name MSR DC ADVANCED black

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended use Adhesives and/or sealants

Uses advised against Consumer use

Details of the supplier of the safety data sheet

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

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

Section 2: Hazard identification

GHS Classification

Reproductive toxicity	Category 2 (HSNO - 6.8B)
Acute aquatic toxicity	Category 3 (HSNO - 9.1D)

Label elements

Signal word
Warning

Hazard statements
H361 - Suspected of damaging fertility or the unborn child
H402 - Harmful to aquatic life

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid release to the environment
Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Precautionary Statements - Storage
Store locked up
Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other hazards which do not result in classification
Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

Section 3: Composition/information on ingredients

Chemical name	CAS No	Weight-%
Silyl terminated polyether, Silyl-modified acrylics	--	40 - <80
Carbonic acid, calcium salt (1:1)	471-34-1	20- <40
Limestone	1317-65-3	10 - <20
Diisononyl 1,2-cyclohexanedicarboxylate	166412-78-8	5 - <10
Trimethoxyvinylsilane	2768-02-7	1 - <3
Carbon black	1333-86-4	1 - <3
Calcium distearate	1592-23-0	1 - <3
1-Butanamine, N-[3-(trimethoxysilyl)propyl]-	31024-56-3	0.1- <1
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	0.1- <1
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane	93925-43-0	0.1- <1
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate	2082-79-3	0.1- <1
Fatty acids, C16-18	67701-03-5	0.1- <1
Quartz	14808-60-7	0.01 - < 0.1
Methyl alcohol	67-56-1	<0.01
Methyl alcohol	67-56-1	<0.01
Methyl silicate	681-84-5	<0.01

Non-hazardous ingredients	Proprietary	Balance

Section 4: First-aid measures

Description of 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 and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

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

Section 5: Fire-fighting measures

Suitable Extinguishing Media

Suitable Extinguishing Media	Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Full water jet.

Specific hazards arising from the chemical

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). Hydrocarbons. Sulfur oxides. Silicon dioxide.

Special protective actions for fire-fighters

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

Section 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

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

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

Precautions to prevent secondary hazards

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

Section 7: Handling and storage

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. Do not eat, drink or smoke when using this product. Remove

contaminated clothing and shoes.

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

Conditions for safe storage, including any incompatibilities

Storage Conditions Protect from moisture. Keep away from food, drink and animal feeding stuffs.

Recommended storage temperature Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

Incompatible materials None known based on information supplied.

Section 8: Exposure controls/personal protection

Control parameters

Exposure Limits Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product.

Chemical name	New Zealand	ACGIH TLV	United Kingdom	Australia
Carbonic acid, calcium salt (1:1) 471-34-1	TWA: 10 mg/m³	-	-	10 mg/m³ TWA
Limestone 1317-65-3	TWA: 10 mg/m³	-	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³	-
Carbon black 1333-86-4	TWA: 3 mg/m³	TWA: 3 mg/m³ inhalable particulate matter	TWA: 3.5 mg/m³ STEL: 7 mg/m³	3 mg/m³ TWA
Calcium distearate 1592-23-0	TWA: 10 mg/m³	TWA: 10 mg/m³ inhalable particulate matter except stearates of toxic metals TWA: 3 mg/m³ respirable particulate matter except stearates of toxic metals	-	10 mg/m³ TWA
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane 93925-43-0	TWA: 0.1 mg/m³ STEL: 0.2 mg/m³ Skin	TLV-TWA: 0.1mg/m³ (Tin, organic compounds, as Sn) TLV-STEL 0.2mg/m³ (Tin, organic compounds, as Sn)	TWA: 0.1 mg/m³ Sk*	0.1 mg/m³ TWA 0.2 mg/m³ STEL
Quartz 14808-60-7	TWA: 0.05 mg/m³	TWA: 0.025 mg/m³ respirable particulate matter	TWA: 0.1 mg/m³	0.05 mg/m³ TWA
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 262 mg/m³ STEL: 250 ppm STEL: 328 mg/m³ Skin	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 266 mg/m³ STEL: 250 ppm STEL: 333 mg/m³ Sk*	200 ppm TWA 262 mg/m³ TWA 250 ppm STEL 328 mg/m³ STEL
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 262 mg/m³ STEL: 250 ppm STEL: 328 mg/m³ Skin	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 266 mg/m³ STEL: 250 ppm STEL: 333 mg/m³ Sk*	200 ppm TWA 262 mg/m³ TWA 250 ppm STEL 328 mg/m³ STEL
Methyl silicate 681-84-5	TWA: 1 ppm TWA: 6 mg/m³	TWA: 1 ppm	-	1 ppm TWA 6 mg/m³ TWA

Biological occupational exposure limits Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product.

Chemical name	New Zealand	ACGIH
Methyl alcohol 67-56-1	15 mg/L - urine (Methyl alcohol) - end of shift	15 mg/L - urine (Methanol) - end of shift
Methyl alcohol 67-56-1	15 mg/L - urine (Methyl alcohol) - end of shift	15 mg/L - urine (Methanol) - end of shift

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls No information available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state Solid
Appearance Paste
Color Black
Odor No information available.
Odor threshold No information available

Property	Values	Remarks • Method
pH	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability	Not applicable for liquids .	
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known

Dynamic viscosity	2000 - 5000 Pa.s	@ 20 °C
Explosive properties	No information available.	
Oxidizing properties	No information available.	

Other information

Softening Point	No information available
Molecular weight	No information available
VOC Content (%)	0.0146
Density	1.4
Bulk density	No information available
Particle characteristics	

Section 10: Stability and reactivity

Reactivity

Reactivity Product cures with moisture.

Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

Conditions to avoid 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

Incompatible materials None known based on information supplied.

Hazardous decomposition products

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

Section 11: Toxicological information

Acute toxicity

Information on likely routes of exposure

Product Information

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	Based on available data, the classification criteria are not met. May cause sensitization in susceptible persons.
Ingestion	Based on available data, the classification criteria are not met.

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

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

ATEmix (dermal) 6,721.90 mg/kg
ATEmix (inhalation-vapor) 394.00 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)
Limestone	>5000 mg/kg (Rattus)	-	-
Diisononyl 1,2-cyclohexanedicarboxylate	LD50 >5000 mg/kg Rat (OECD 423)	LD50 >2000 mg/Kg (Rattus) (OECD 402)	-
Trimethoxyvinylsilane	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403
Carbon black	LD50 > 8000 mg/kg (Rattus) OECD 401	> 3 g/kg (Oryctolagus cuniculus)	> 4.6 mg/m³ (Rat) 4 h
Calcium distearate	>10 g/kg (Rattus)	> 2000 mg/kg (Rat)	-
1-Butanamine, N-[3-(trimethoxysilyl)propyl]-	=13500 µL/kg (Rattus)	= 16 mL/kg (Oryctolagus cuniculus)	-
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
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane	LD50 (Rattus) >2000 Kg/mg	LD50 (Rattus) >2000 mg/Kg	-
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate	>5000 mg/kg (Rattus)	> 2000 mg/kg (Oryctolagus cuniculus)	>1800 mg/L (Rattus) 4 h
Fatty acids, C16-18	>2000 mg/kg (Rattus)	LD50 >2000 mg/Kg (Oryctolagus cuniculus)	-
Quartz	>2000 mg/kg (Rattus)	-	-
Methyl alcohol	=2500 mg/kg (Rattus)	200-1000 mg/kg (Oryctolagus cuniculus)	=22500 ppm (Rattus) 8 h = 64000 ppm (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)	= 392.17 mg/m³ (Rat) 4 h

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

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

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	0.5 mL	24 hours	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

Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane (93925-43-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD 404	Rabbit	Dermal		4 hours	Non-irritant

Serious eye damage/eye 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
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye		24 hours	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. 405: Acute Eye Irritation/Corrosion	Rabbit	eye			Eye Damage

Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane (93925-43-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye	0.1 mL	24 hours	Non-irritant

Respiratory or skin sensitization OECD Test No. 406: Skin Sensitization. No sensitization responses were observed. No classification is proposed, based on conclusive negative data. May cause sensitization in susceptible persons.

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	No sensitization responses were observed

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	Not a skin sensitizer

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

Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane (93925-43-0)

Method	Species	Exposure route	Results
OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay	Mouse	Dermal	Not a skin sensitizer

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

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	New Zealand	IARC

Carbon black - 1333-86-4	Suspected carcinogen	Group 2B
Quartz - 14808-60-7	Confirmed carcinogen	Group 1

Legend

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

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.

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

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

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

Respiratory irritation No information available.

Narcotic effects No information available.

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

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

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

Section 12: Ecological information

Ecotoxicity

Ecotoxicity Harmful to aquatic life.

Aquatic 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
Limestone	CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus)	CL50 (96h)>10000mg/L (Oncorhynchus mykiss)	CE50 (48h) >1000 mg/L Daphnia Magna
Diisononyl 1,2-cyclohexanedicarboxylate	EC50 >100mg/L (Scenedesmus subspicatus) Static (OECD 201)	LC50 (96h) >100mg/L (Brachydanio rerio) Static (OECD 203)	EC50 (48h) >100 mg/L (Daphnia magna) Static (OECD 202)
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)
Carbon black	>10000 mg/l (Desmodesmus subspicatus) OECD 202	>1000 mg/l (Brachydanio rerio) OCDE 203	EC50: >5600mg/L (24h, Daphnia magna)
Bis(2,2,6,6-tetramethyl-4-piperi	EC50 72Hr 0.705 mg/l	LC50 (96h) = 5.29 mg/l (Oryzias	LC50 48Hr 8.58 mg/l (Daphnia

dyl) sebacate	(Pseudokirchnerella subcapitata)	latipes)	magna)
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane	-	LC50 (96Hr) >100 mg/l (Cyprinus carpio) OECD 203	EC50 (48Hr) 100mg/l (Daphnia magna)OECD 202
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate	EC50: >30mg/L (72h, Desmodesmus subspicatus)	LC50: >100mg/L (96h, Lepomis macrochirus)	EC50: >100mg/L (24h, Daphnia magna)
Fatty acids, C16-18	-	LC50 (96h) >1000 mg/L () (Danio rerio)	-
Methyl alcohol	-	LC50 96 h > 100 mg/L (Pimephales promelas static)	-
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)	-

Terrestrial ecotoxicty There is no data for this product.

Chemical name	Earthworm	Avian	Honeybees
Methyl alcohol	Acute Toxicity: LC50 > 1 mg/cm2 (Eisenia foetida, 48 h filter paper)	-	-
Methyl alcohol	Acute Toxicity: LC50 > 1 mg/cm2 (Eisenia foetida, 48 h filter paper)	-	-

Persistence and degradability No information available.

Trimethoxyvinylsilane (2768-02-7)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	BOD	51 % Not readily biodegradable

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

Method	Exposure time	Value	Results
OECD Test No. 303: Simulation Test - Aerobic Sewage Treatment -- A: Activated Sludge Units; B: Biofilms	28 days	Total organic carbon (TOC)	24 % Moderate

Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane (93925-43-0)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	28 days	biodegradation	11 % Not readily biodegradable

Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Limestone	0.9

Diisononyl 1,2-cyclohexanedicarboxylate	10
Trimethoxyvinylsilane	1.1
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	0.35
Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane	>6
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate	13.5
Methyl alcohol	-0.77
Methyl alcohol	-0.77

Mobility in soil

Other adverse effects

No information available.

Section 13: Disposal considerations

Disposal methods

Waste from residues/unused products

Dispose of product in packaging in a way that is consistent with the EPA Consolidation 30 April 2021 of the Hazardous Substances (Disposal) Notice 2017 and the Act. Treat the substance using a method that changes the characteristics or composition of the substance so that the substance is no longer a hazardous substance; or export the substance from New Zealand as waste. Substances which are hazardous to human health or corrosive to metals – may be discharged into the environment if a tolerable exposure limit has been set for the substance (or a component of that substance); and the discharge does not, after reasonable mixing, result in the concentration of the substance in an environmental medium exceeding the tolerable exposure limit. If there is no tolerable exposure limit for the substance, then it may only be discharged into the environment if the substance is very rapidly converted to substances that are not hazardous substances. 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.

Section 14: Transport information

IATA Not regulated

IMDG Not regulated

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

ADR Not regulated

Section 15: Regulatory information

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

National regulations
New Zealand

Chemical name	New Zealand HSNO Chemical Classification
Carbonic acid, calcium salt (1:1) - 471-34-1	- 6.4A (HSR006678)
Trimethoxyvinylsilane - 2768-02-7	- 3.1B,6.1D (All),6.1D (I) (HSR004009)

Carbon black - 1333-86-4	- 6.3B,6.4A,6.7B (HSR002801) >10% in a non hazardous diluent - 6.3B,6.4A,6.7B (HSR006615)
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate - 52829-07-9	- 6.4A,9.1B (All),9.1B (F),9.1B (C),9.1B (A) (HSR005282)
Octadecyl 3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate - 2082-79-3	- 6.9B (All),6.9B (O),9.1D (All),9.1D (F),9.2D (HSR003658)
Quartz - 14808-60-7	- 6.7A,6.9A (All),6.9A (I) (HSR003125) >10% in a non hazardous diluent - 6.7A,6.9A (All),6.9A (I) (HSR006546) >1-10% in a non hazardous diluent - 6.7A,6.9A (All),6.9A (I) (HSR006545)
Methyl alcohol - 67-56-1	- 3.1B,6.1C (All),6.1C (O),6.1C (D),6.1C (I),6.4A,6.8B,6.9A (All),6.9A (I),9.3C (HSR001186) >44-50% in a non hazardous diluent - 3.1C,6.1C (All),6.1C (O),6.1C (D),6.4A,6.8B,6.9A (All),6.9A (Oth),9.3C (HSR006709) >1-10% in a non hazardous diluent - 6.1E (All),6.1E (O),6.1E (D),6.8B,6.9B (All),6.9B (I) (HSR006431) >25-44% in a non hazardous diluent - 3.1C,6.1C (All),6.1C (O),6.1C (D),6.1C (I),6.4A,6.8B,6.9A (All),6.9A (I),9.3C (HSR006428) >18-25% in a non hazardous diluent - 3.1C,6.1D (All),6.1D (O),6.1D (D),6.1D (I),6.4A,6.8B,6.9A (All),6.9A (I) (HSR006430) >50% in a non hazardous diluent - 3.1B,6.1C (All),6.1C (O),6.1C (D),6.1C (I),6.4A,6.8B,6.9A (All),6.9A (I),9.3C (HSR006429)
Methyl alcohol - 67-56-1	- 3.1B,6.1C (All),6.1C (O),6.1C (D),6.1C (I),6.4A,6.8B,6.9A (All),6.9A (I),9.3C (HSR001186) >44-50% in a non hazardous diluent - 3.1C,6.1C (All),6.1C (O),6.1C (D),6.4A,6.8B,6.9A (All),6.9A (Oth),9.3C (HSR006709) >1-10% in a non hazardous diluent - 6.1E (All),6.1E (O),6.1E (D),6.8B,6.9B (All),6.9B (I) (HSR006431) >25-44% in a non hazardous diluent - 3.1C,6.1C (All),6.1C (O),6.1C (D),6.1C (I),6.4A,6.8B,6.9A (All),6.9A (I),9.3C (HSR006428) >18-25% in a non hazardous diluent - 3.1C,6.1D (All),6.1D (O),6.1D (D),6.1D (I),6.4A,6.8B,6.9A (All),6.9A (I) (HSR006430) >50% in a non hazardous diluent - 3.1B,6.1C (All),6.1C (O),6.1C (D),6.1C (I),6.4A,6.8B,6.9A (All),6.9A (I),9.3C (HSR006429)
Methyl silicate - 681-84-5	- 3.1B,6.1B (All),6.1B (I),6.3A,8.3A (HSR003026)

National regulations

There are no applicable tolerable exposure limits or environmental exposure limits according to the EPA Controls for Hazardous Substances

Certified handlers, tracking and controlled substance license requirements

Certified handlers are required for some substances. This includes substances requiring a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information
Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please

check the Health and Safety at Work Act 2015 for further information
Controlled substance licenses are required to possess certain explosives, vertebrate toxic agents and fumigants. See Part 7 of the Health and Safety at Work Regulation 2017 for more information

EPA New Zealand HSNO approval code or group standard

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

Section 16: Other information

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

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

Key literature references and sources for data used to compile the SDS
EPA (Environmental Protection Agency)
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Toxicology Program (NTP)
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