



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Dekaseal MS 1**
Colours: Black, Grey, White
Product Use: Adhesives, sealants
Restriction of Use: Refer to Section 15

New Zealand Supplier: **Auto Body Equipment**
Address: 17 The Boulevard
Te Rapa, Hamilton, 3200
New Zealand

Telephone: +64 7 849 3514
Email: office@abe.co.nz
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 10 May 2023

Section 2. Hazards Identification

NOT classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017 Part B Clause 9.

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Vinyltrimethoxysilane	1 - \leq 5	2768-02-7
N-(2-Aminoethyl)-3-aminopropyltrimethoxysilane	<1	1760-24-3
N-(3(dimethoxymethylsilyl)propyl)ethylenediamine	<1	3069-29-2
Diocyltin acetylacetonate	<1	54068-28-9

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for several minutes. In case of eye irritation seek medical assistance if needed.

If on Skin Wash with plenty of water/Soap. If skin irritation occurs: Get medical advice/attention.

If Swallowed If swallowed, rinse mouth with water (only if the person is conscious. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious but breathing normally, place in recovery position and seek medical advice.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	No data available.
Suitable Extinguishing media	Co-ordinate fire-fighting measures to the fire surroundings. Do not use: Extinguishing powder
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus. Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
HAZCHEM CODE	None allocated.

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Provide adequate ventilation.

Do not allow to enter into surface water or drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Dispose of waste according to the applicable local regulations detailed in Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read carefully and follow all instructions.
- Use only in well-ventilated areas.
- Keep away from food, drink and animal feedingstuffs.
- Remove contaminated, saturated clothing immediately.
- Draw up and observe skin protection programme.
- Wash hands and face before breaks and after work and take a shower if necessary.
- When using do not eat or drink.

Precautions for Storage:

- No special measures are necessary.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working

day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
2768-02-7	Vinyltrimethoxysilane			
Consumer DNEL, long-term		dermal	systemic	0,3 mg/kg bw/day
Consumer DNEL, acute		dermal	local	26,9 mg/person/day
Consumer DNEL, long-term		oral	systemic	0,3 mg/kg bw/day
worker DNEL, long-term		inhalation	systemic	4,9 mg/m ³
worker DNEL, long-term		dermal	systemic	0,69 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,04 mg/m ³
Consumer DNEL, acute		inhalation	local	93,4 mg/m ³
1760-24-3	N-(2-Aminoethyl)-3-aminopropyltrimethoxysilane			
worker DNEL, long-term		inhalation	systemic	35,3 mg/m ³
worker DNEL, acute		inhalation	systemic	35,3 mg/m ³
worker DNEL, long-term		dermal	systemic	5,0 mg/kg bw/day
worker DNEL, acute		dermal	systemic	5,0 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	8,7 mg/m ³
Consumer DNEL, acute		inhalation	systemic	8,7 mg/m ³
Consumer DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	17,0 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2,5 mg/kg bw/day

PNEC values

CAS No	Substance	Environmental compartment	Value
2768-02-7	Vinyltrimethoxysilane		
		Freshwater	0,34 mg/l
		Marine water	0,034 mg/l
		Freshwater sediment	1,24 mg/kg
		Marine sediment	0,12 mg/kg
		Micro-organisms in sewage treatment plants (STP)	110 mg/l
		Soil	0,052 mg/kg
1760-24-3	N-(2-Aminoethyl)-3-aminopropyltrimethoxysilane		
		Freshwater	0,062 mg/l
		Marine water	0,0062 mg/l
		Freshwater sediment	0,22 mg/kg
		Marine sediment	0,022 mg/kg
		Micro-organisms in sewage treatment plants (STP)	25,0 mg/l
		Soil	0,0085 mg/kg

Engineering Controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Personal Protection Equipment



Eyes	Filling and transfer : Eye glasses with side protection (EN 166)
Hands	Tested protective gloves must be worn (EN ISO 374): FKM (fluoro rubber), Breakthrough time: 480 min. NBR (Nitrile rubber), Breakthrough time: 480 min. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Protective gloves have to be replaced at the first sign of deterioration. Protect skin by using skin protective cream.
Skin	Wear anti-static footwear and clothing.
Respiratory	Work in well-ventilated zones or use proper respiratory protection. gas filtering equipment (EN 141). Filter material/medium :A

Section 9 Physical and Chemical Properties

Form	Paste
Colour	Black, Grey and White
Odour	Characteristic
Odour Threshold	Not available
pH @20°C	Not available
Boiling Point	>34°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	100°C
Flammability	Non Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Density@ 20°C	1.58 g/cm ³ DIN51757
Specific Gravity	Not available
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-Ignition Temperature	370°C
Decomposition Temperature	Not available
Dynamic / Viscosity @20°C	Not available
Particle Characteristics	Not available
Solvent content	Not available
Solids content	Not available

Section 10. Stability and Reactivity

Stability of Substance	The product is stable under storage at normal ambient temperatures.
Possibility of hazardous reactions	No hazardous reaction when handled and stored according to provisions.
Conditions to Avoid	No information available.
Incompatible Materials	No information available.
Hazardous Decomposition Products	No known hazardous decomposition products.

Section 11 Toxicological Information

Acute Effects:

Product Name: Dekaseal MS 2
Date of SDS: 10 May 2023

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd
Tel: 64 9 475 5240 www.techcomp.co.nz

Swallowed	Not classified as hazardous.
Dermal	Not classified as hazardous.
Inhalation	Not classified as hazardous. ATEmix tested = LC50 = 30.1 mg/L (vapour/4h)
Eye	Not classified as hazardous.
Skin	Not classified as hazardous.

Chronic Effects:

Carcinogenicity	Not classified as hazardous.
Reproductive Toxicity	Not classified as hazardous.
Germ Cell Mutagenicity	Not classified as hazardous.
Aspiration	Not classified as hazardous.
STOT/SE	Not classified as hazardous.
STOT/RE	Not classified as hazardous.

Acute Toxicity for components:

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	
2768-02-7	vinyltrimethoxysilane				
	oral	LD50 7120-7236 mg/kg	Rat		
	dermal	LD50 3200 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 16,8 mg/l	Rat		
	inhalation dust/mist	ATE 1,5 mg/l			
1760-24-3	N-(2-Aminoethyl)-3-aminopropyltrimethoxysilane				
	oral	LD50 2995 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			
3069-29-2	N-(3(dimethoxymethylsilyl)propyl)ethylenediamine				
	oral	ATE 500 mg/kg			

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Toxicity for components:

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
2768-02-7	vinyltrimethoxysilane					
	Acute fish toxicity	LC50 191 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 210 mg/l	72 h	Selenastrum capricornutum		
	Acute crustacea toxicity	EC50 169 mg/l	48 h	Daphnia magna (Big water flea)		
1760-24-3	N-(2-Aminoethyl)-3-aminopropyltrimethoxysilane					
	Acute fish toxicity	LC50 597 mg/l	96 h	Danio rerio (zebrafish)		
	Acute crustacea toxicity	EC50 81 mg/l	48 h	Daphnia magna (Big water flea)		

Persistence and degradability	There are no data available on the mixture itself. N-(2-Aminoethyl)-3-aminopropyltrimethoxysilane: Not readily biodegradable (according to OECD criteria)		
Bioaccumulation	There are no data available on the mixture itself. Partition coefficient n-octanol/water:		
	CAS No	Chemical name	Log POW
	2768-02-7	vinyltrimethoxysilane	1,1
Mobility in Soil	No data available		
Other adverse effects	No data available		

Section 13. Disposal Considerations

Disposal Method:

Dispose as per Local Regulations.

Precautions or methods to avoid: Do not mix with other wastes.

Section 14 Transport Information

This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021

Section 15 Regulatory Information

NOT classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017 Part B Clause 9.

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time

of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact Auto Body Equipment, if further information is required.

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