



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Dekaseal MS 5 - 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.
Titan(IV)-oxide	1 - \leq 2.5	13463-67-7
Trimethoxyvinylsilane	1 - \leq 3	2768-02-7
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	0.1 - $<$ 1	52829-07-9

Further Information:

The homogeneous mixing of this product is controlled by continuous physical tests. Formerly dusty raw materials are completely integrated into the liquid/pasty mass. Possible AGW-values for solid substances are therefore not given, as there is no longer any risk of inhalation of these substances (when handling this mixture).

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.

Product Name: Dekaseal MS 5 White
Date of SDS: 10 May 2023

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

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	In case of fire may be liberated: Carbon monoxide
Suitable Extinguishing media	Carbon dioxide (CO ₂), Extinguishing powder, Water spray jet Co-ordinate fire-fighting measures to the fire surroundings. Do not use high power water jet.
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. Avoid contact with skin, eyes and clothes. Avoid breathing fumes, vapours or spray.

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:

- Protect from moisture.
- Storage temperature: 10 - 35 °C

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Titanium dioxide	[13463-67-7]	-	10	-	-

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	Trimethoxyvinylsilane			
	worker DNEL, long-term	inhalation	systemic	27,6 mg/m ³
	worker DNEL, long-term	dermal	systemic	3,9 mg/kg bw/day
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate			
	Worker DNEL, acute	inhalation	systemic	2,82 mg/m ³
	worker DNEL, long-term	dermal	systemic	1,6 mg/kg bw/day

PNEC values

CAS No	Substance	Environmental compartment	Value
2768-02-7	Trimethoxyvinylsilane		
		Freshwater	0,33 mg/l
		Marine water	0,033 mg/l
		Micro-organisms in sewage treatment plants (STP)	13 mg/l
		Soil	0,04 mg/l
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate		
		Freshwater	0,018 mg/l
		Marine water	0,0018 mg/l
		Freshwater sediment	29 mg/kg
		Marine sediment	2,9 mg/kg
		Soil	5,9 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	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/P2

Section 9 Physical and Chemical Properties

Form	Paste
Colour	White
Odour	Characteristic
Odour Threshold	Not available
pH @20°C	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Non Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Density@ 20°C	1.48 g/cm ³ DIN51757
Specific Gravity	Not available
Water Solubility	Immiscible
Partition Coefficient:	Not available
Auto-Ignition Temperature	Not available
Decomposition Temperature	Not available
Dynamic / Viscosity @20°C	17000-32000 mPa·s
Particle Characteristics	Not available
Solvent content	97%
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	Carbon monoxide

Section 11 Toxicological Information**Acute Effects:**

Swallowed	Not classified as hazardous.
Dermal	Not classified as hazardous. ATEmix tested = LD50 = 4644.70 mg/kg
Inhalation	Not classified as hazardous. ATEmix tested = LC50 = 784.10 mg/L (vapour)
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.

Acute Toxicity for components:

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2768-02-7	Trimethoxyvinylsilane				
	oral	LD50 7120-7236 mg/kg	Rat		
	dermal	LD50 3540 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 16,8 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >3170 mg/kg	Rat		
	inhalation (4 h) vapour	LC50 500 mg/l	Rat		

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	There are no data available on the mixture itself. Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate: Moderately/partially biodegradable.
Bioaccumulation	No data available
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

The information herein is given in good faith, but no warranty, express or implied is made.

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

Issue Date: 10 May 2023 Review Date: 10 May 2028