Section 1 - Identification of the Material and Supplier

Sime Darby Transport (NZ) Limited, Trading as TWL **920 Halswell Junction Road** **Christchurch 8042 New Zealand** **Phone: 0508 677 704 W: www.simemotors.co.nz**	**Omikron Auto Detailing Products** **Unit 1, 12 McPherson Road** **Smeaton Grange, NSW, 2567 Australia** **Phone: 02 9824 5966 W: www.omikron.com.au**

Product Name: **ULTIMATE PLUS**
Product Use: **Interior & exterior shine**
Creation Date: **November 2022**
This version issued: **November 2022** and is valid for 5 years from this date.

Section 2 - Hazards Identification

GHS classification of the substance/mixture
Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia.
Not classified as Dangerous Goods according to the Australian Code for the Transport Dangerous Goods by Road and Rail. (7th edition).
Eye Damage/Irritation: Category 1
Signal Word (s) DANGER
Hazard Statement (s)

H318 Causes serious eye damage.
Pictogram (s) Corrosion:

Precautionary statement – Prevention
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement- Response
GENERAL
P310 Immediately call a POISON CENTRE or doctor/physician
EYE
P305+p351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Section 3 - Composition/Information on Ingredients

Ingredients

Name	CAS	EINECS	Propotion
ly(oxy-1,2-ethanediyl), alpha-(2-ropylheptyl)- omega-hydroxy-	**160875-66-1**		**<10%**
Pctamethylcyclotetrasiloxane	**556-67-2**	**209-136-7**	**<0.1%**
2-Butenal	**4170-30-3**	**224-030-0**	**<0.005%**
Ingredients determined not to be hazardous			

Emergency Contact Number:
National Poisons Centre 0800 764 766 (0800 POISON) from anywhere in New Zealand
Poisons Information Centre: 13 1126 from anywhere in Australia

Section 4 - First Aid Measures

Inhalation: If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.
Ingestion: Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
Skin: Wash affected area thoroughly with soap and water. If symptoms develop see medical attention.
Eye Contact: If in eye, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.
First Aid Facilities: Eyewash, safety shower and normal washroom facilities.
Advice to Doctor: Treat symptomatically.
Oher Information: For advice in an emergency, contact a Poison Information Centre or doctor at once (131 126).

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam, water mist or water spray. Alcohol resistant foam is preferred. In not available normal foam can be used **Hazards from Combustion products:** Under fire conditions this product may emit toxic and/or irritating fumes and gases including: carbon monoxide, carbon dioxide, oxides of nitrogen, silicon oxides and formaldehyde.
Specific Hazards Arising From The Chemical: This product will burn if exposed to fire.
Hazchem Code: None allocated.
Decomposition Temperature: Not available.
Precautions in connection with Fire: fire fighters should wear self-contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

Section 6 - Accidental Release Measures

Emergency Procedures: Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or removal all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for

subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Section 7 - Handling and Storage

Precautions for Safe Handling: Avoid inhalation of Vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build-up of mists or vapours in the work atmosphere. Do not use near ignition sources. Do nor pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards or personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leeks. Have appropriate fire extinguishers available in and neat the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 – The storage and handling of flammable and combustible liquids.

Storage Regulations: Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940.

Section 8 – Exposure Controls and Personal Protection

Occupational exposure limit values

ubstance	egulations	xposure uration	xposure imit	nits	otes
-Butenal	afe Work Australia	WA		pm	
-Butenal	afe Work Australia	WA	.7	lg/m3	

Biological Limit Values: No Biological limits allocated
Appropriate Engineering Controls: This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standard, suitable respiratory protection must be worn. Refer to relevant regulation for further information concerning ventilation requirements.

Refer to AD 1940 – The storage and handling of flammable and combustible liquids AS'NZS
60079.10.1:2009 Explosive atmospheres – Classification of areas – Explosive gas atmospheres, for further information concerning ventilation requirements.

Respiratory Protection: if engineering controls are not effective in controlling airborne then an approved respirator with a replaceable vapour/mist filter should be used. Refer to the relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective devices, in order to make any necessary changes for individual circumstances.

Eye Protection: Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand AS/NZS 1337 – Eye Protectors for Industrial Applications.

Body Protection: Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Section 9 – Physical and Chemical Properties

Form: Liquid
Appearance: White liquid
Colour: White
Odour: Odourless
Decomposition Temperature: Not available
Melting point: Not available Boiling point: >65 ºC
***S*olubility in Water:** Not available
Specific Gravity: 1
PH: 7.0
Vapour Pressure: Not available
Vapour Density (Air=1): Not available
Evaporation Rate: Not available
Odour Threshold: Not available
Viscosity: Refer to section 9: kinematic Viscosity and Dynamic Viscosity
Volatile Component: Not available
Partition Coefficient: n-octanol/water
Flash Point: >100 ºC (Closed Cup
Flammability: Not flammable
Auto-Ignition Temperature: Not available

Flammable Limits – Lower: Not available
Flammable Limits- Upper: Not available
Explosion Properties: Product is not explosive
Oxidising Properties: Non-oxidising
Kinematic Viscosity: Not available
Dynamic Viscosity: 1000mm_2/s

Section 10 – Stability and Reactivity

Reactivity: Refer to section 10: possibility of hazardous reactions.
Chemical Stability: Stable under normal conditions of storage and handling.
Conditions to Avoid: Heat, open flames and other sources of ignition.
Incompatible Materials: Strong oxidising agents.
Hazardous Decomposition Products: Thermal decomposition may result in the release of toxic and/or irritating fumes including: carbon monoxide, carbon dioxide, silicon oxides and formaldehyde.
Possibility of Hazardous reactions: Can react with strong oxidizing agents> When heated to temperatures above 150 ºC in the presence of air, product can form formaldehyde vapours. Safe handling conditions may be maintained by keeping vapour concentrations within the occupational exposure limit for formaldehyde. Hazardous decomposition products will be formed at elevated temperatures.
Hazardous Polymerization: Not available.

Section 11 – Toxicological Information

Toxicology Information: Available toxicity data is given below
Acute Toxicity- Oral: Product: Acute toxicity estimate: >2000mg/kg Method: Calculation method.
Poly(oxy-1,2-ethanediyl), alpha-(2-propylhepty)-omega-hydroxy-: LD50 (rat): >500mg/kg. Remarks: Based on data from similar materials.
Octamethylcyclotetrasiloxane: LD50 (rat):>4,800mg/kg. Assessment: the substance or mixture has no acute oral toxicity. Remarks: based on test data.
Acute Toxicity- Inhalation: Octamethylcyclotestrasiloxane: LC50 (rat) 2975 ppm/4h. Test atmosphere: vapour. Assessment: the substance or mixture has no acute inhalation toxicity. Remarks: based on test data.
Acute Toxicity- dermal: Octamethylcyclotestrasiloxane: LD50 (rabbit): >2.5 ml/kg. Assessment: the substance or mixture has no acute dermal toxicity. Remarks: based on test data.
Ingestion: Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Inhalation: Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Skin: May be irritating to skin. The symptoms may include redness, itching and swelling. Poly(oxy-1,2-ethanediyl), alpha-(2-propylheptyl)-omega-hydroxyl)-: Result: no skin irritation. Remarks: based on data from similar materials.
Octamethylcyclotestrasiloxane: Species: rabbit. Result: no skin
irritation. Remarks: based on test data.
Eye: Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.
Poly(oxy-1,2-ethanediyl), alpha-(2-propylheptyl)-omega-hydroxyl)-: Species: rabbit. Result: irreversible effects on the eye. Method: OECD Test Guideline 405. Remarks: based on data from similar materials.
Octamethylcyclotestrasiloxane: Species: rabbit. Result: no eye irritation. Remarks: based on test data.
Respiratory sensitisation: Not expected to be a skin sensitiser
Skin Sensitisation: Not expected to be a skin sensitiser
Octamethylcyclotestrasiloxane: Assessment: does not cause skin sensitisation. Test type: Maximisation Test. Species: guinea pig. Remarks: Based on test data.
Germ cell mutagenicity: Not considered to be a mutagenic hazard.
Octamethylcyclotestrasiloxane: Genotoxicity in vitro: Test type: Bacterial reverse mutation assay (AMES). Result: negative. Remarks: based on test data.
Test type: Mutagenicity (in vitro mammalian cytogenetic test). Result: negative.
Remarks:
based on test data.
Test type: Chromosome aberration test in vitro. Result: negative. Remarks: based on test data.
Test type: In vitro sister chromatid exchange assay in mam-malian cells. Result: negative. Remarks: based on test data.
Test type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro). Result: negative. Remarks: based on test data.
Genotoxicity in vivo: Test type: Mammalianerythrocyte micronucleus test (in vivo cytogenetic assay). Species: rat. Application route: Inhalation (vapour). Result: negative. Remarks: based on test data.
Test Type: rodent dominant lethal test (germ cell) (in vivo). Species: rat. Application Route: Ingestion. Result: negative. Remarks: based on test data.
Germ cell mutagenicity – assessment: Animal testing did not show any mutagenic effects.
Carcinogenicity: Not considered to be carcinogenic hazard.
Reproductive Toxicity: Not considered to be toxic to reproduction.
Octamethylcyclotestrasiloxane:
Effects on fertility: Test type: Two-generation reproduction toxicity study. Species: rat, male and female. Application Route: Inhalation (vapour). Symptoms: effects on fertility. Remarks: based on test data.
Effects on foetal development: Test type: Prenatal development toxicity study

(teratogenicity). Species: rabbit. Application Route: inhalation (vapour). Symptoms: no effect on foetal development. Species: rabbit. Application route: inhalation (vapour). Symptoms: no effect on foetal development. Remarks: based on test data.
Reproductive toxicity- Assessment: Some evidence of adverse effects on sexual function and fertility, based on animal experiments.
STOT-single exposure: Not expected to cause toxicity to a specific target organ.
STOT- repeated exposure: Not expected to cause toxicity to a specific target organ.
Octamethylcyclotestrasiloxane:
Exposure Route: ingestion. Assessment: no significant health effects observed in animals at concentrations of 100mg/kg bw or less.
Exposure Route: Inhalation (vapour). Assessment: no significant health effects observed in animals at concentrations of 1mg/l/6h/d or less.
Exposure Route: skin contact Assessment: no significant effects observed in animals at concentrations of 200mg/kg bw or less.
Repeated dose toxicity:
Octamethylcyclotestrasiloxane:
Species: rat. Application Route: ingestion. Remarks: based on test data
Species: rat. Application Route: inhalation (vapour). Remarks: based on test data
Species: rabbit. Application Route: Skin contact. Remarks: based on test data.
Aspiration Hazard: Not expected to be an aspiration hazard.
Other Information:
Octamethylcyclotestrasiloxane:
Remarks Results from a 2 year repeated vapour inhalation exposure study to rats of Octamethylcyclotestrasiloxane (D4) indicate effects benign uterine adenomas) in the uterus of female animals. This finding occurred at the highest exposure dose (700ppm) only. Studies to data have not demonstrated if these effects occur through pathways that are relevant to humans. Repeated exposure in rats to D4 resulted in protopporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the evidence of the finding to humans in unknown.

Section 12 – Ecological Information

Ecotoxicity: The available ecological data is given below.
Persistance and degradability: poly(oxy-1,2-ethanediyl), alpha-(2-propylheptyl)-omega-hydroxy-: Biodegradability: Result: readily biodegradable.
Octamethylcyclotestrasiloxane:
Biodegradability: Result: not readily biodegradable. Biodegradation: 3.7%. Exposure time: 28d. Method: OECD Test Guideline 310.
Stability in water: Degradation half-life: 69.3-144h (24.6 ºC), PH:7. Method: OECD Test Guideline 111
Mobility: Not available
Bioaccumulative Potential:
Octamethylcyclotestrasiloxane:
Partition coefficient n-octanol/water: log Pow: 6.48 (25.1 C)
Other Adverse Effects: Not available

Environmental Protection: Prevent this material entering waterways, drains and sewers.

Acute Toxicity- Fish:

Octamethylcyclotestrasiloxane:

LC50 (Oncorohynchus mykiss (rainbow trout): >0.022mg/l/96h. Remarks: No toxicity at the limit of solubility.

Acute Toxicity- Daphnia

Poly(oxy-1,2-ethanediyl), alpha-(2-prophylhepty)-omega-hydroxy-:

EC50 (Daohnia magna (water flea)): >10-100mg/l/48h. Remarks: Based on data from similar materials.

Octamethylcyclotestrasiloxane:

EC50 (Daphnia sp.): >0.015mg/l/48h. Remarks: No toxicity at the limit of solubility.

Acute Toxicity- Algae

Poly(oxy-1,2-ethanediyl), alpha-(2-prophylhepty)-omega-hydroxy-: EC50 (Desmodesmus subspicatus (green algqe)): >10-100mg/l/72h. Remarks: Based on data from similar materials.

Octamethylcyclotestrasiloxane:

EC50 >0.022mg/l/96. Remarks: No toxicity at the limit of solubility.

NOEC: 0.022mg/l/96h. Remarks: No toxicity at the limit of solubility.

Acute Toxicity- Bacteria

Octamethylcyclotestrasiloxane:

IC50: >10,000mg/l. Method: ISO 8192

Other Information

Octamethylcyclotestrasiloxane:

Toxicity to fish (Chronic toxicity)

NOEC (Oncorohynchus mykiss (rainbow trout): >0.0044mg/l. Remarks: No toxicity at the limit of solubility.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) NOEC (Daphne magna (water flea)): >0.0079mg/l/21d

Remarks: no toxicity at the limit of solubility

Section 13 – Disposal Considerations

Disposal considerations: The disposal of the spilled of waste material must be done in accordance with applicable local and national regulations.

Section 14 – Transport Information

Transport Information

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN Number: Non Allocated
UN proper shipping name: Non Allocated
Transport hazard class (es): Non Allocated
Hazchem Code: Non Allocated
Special Precautions for user: Not available
UN Number (Air Transport, ICAO): Non Allocated
IATA/ICAO Proper Shipping name
IATA/ICAO Hazard Class: Non Allocated
IMDG UN No: Non Allocated
IMDG Proper Shipping Name: Not dangerous for conveyance under IMO/IMDG code.
IMDG Hazard Class: Non Allocated
IMDG Marine pollutant: No
Transport in Bulk: Not available

Section 15 – Regulatory Information

Regulatory information
Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia. Not classified as a Scheduled Poison according to the standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Scheduled: Not Scheduled

Section 16 – Other Informaiton

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified

NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (December 2011)