VELOCITY
VEHICLE CARE

Version 2.0 **Safety Data Sheet** **Revised 25 Aug 2021**
Air-O-Wash

SECTION 1. IDENTIFICATION

Product Name	**Air-O-Wash**
Material Number	Various

Recommended use of the chemical and restrictions on use

Recommended use	General-purpose aircraft exterior cleaner
Restrictions on use	Reserved for industrial and professional use
Australian Distributor	Velocity Vehicle Care Pty Ltd 5 Horsburgh Drive, Altona North, Vic, 3025 Ph: 1300 990 074 Email: orders@velocityvehiclecare.com
Emergency Number	**Australia: 1800 127 406**
NZ Distributor	Velocity Vehicle Care NZ Ltd Level 4 3 London St, Hamilton, 3204 Phone: 0800 483 562 (0800 4 VELOC) Email: orders@velocityvehiclecare.com
Emergency Number	**New Zealand: 0800 243 622**

SECTION 2. HAZARDS IDENTIFICATION

Dangerous Goods Classification

Classified as **non-Dangerous** Goods by the criteria of the Australian Dangerous Goods Code (ADG Code 7th ed.) for transport by Road and Rail.
Classified as **non-Dangerous Goods** under NZS 5433:2012 Transport of Dangerous Goods on Land.

GHS Classification

Non-hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) 7th ed.

Precautionary statements

Prevention

Wash hands thoroughly after handling.

Response

Get medical advice if you feel unwell.

Storage

Store in accordance with local regulations.

Disposal

Dispose of contents & container in accordance with local, regional and national Regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Mixture

Components

Chemical name	CAS-No.	Concentration [%]
1-(2-methoxy-2-methylethoxy)-2-propanol	34590-94-8	5-10

The exact percentages of disclosed substances are withheld as trade secrets.

SECTION 4. FIRST AID MEASURES

General advice
Move non-essential personnel away from treatment area or spill area. Do not leave victim unattended.
Have this safety data sheet available for emergency/medical responders.

If inhaled
Remove victim to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

In case of skin contact
If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation occurs seek medical attention. Wash contaminated clothing before re-use.

In case of eye contact
Irrigate with copious quantities of water also under the eyelids, for at least 15 minutes. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

If swallowed
Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention. Contact the Poison's Information Centre (Australia 131 126; New Zealand 0800 764 766).

Protection of first aiders
If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician
Treat symptomatically.

Most important symptoms and effects, both acute and delayed
No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. However, nausea and vomiting may occur if large amounts are ingested. Where this material is used at elevated temperatures, vapour may cause irritation to mucous membranes and respiratory tract, headache and nausea.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
None known.

Specific hazards during firefighting
May produce toxic fumes, for example, carbon monoxide and carbon dioxide if burning.
Do not allow run-off from firefighting to enter drains or water courses.

Hazardous combustion products
Carbon dioxide (CO2)
Carbon monoxide
Smoke

Special protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Specific extinguishing methods	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Use a water spray to cool fully closed containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	Do not allow contact with soil. Prevent runoff to waterways, drains, stormwater or sewer.
Methods and materials for containment and cleaning up	Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material e.g., sand, earth, diatomaceous earth, vermiculite, and place in container for disposal according to local / national regulations (see Section 13) . Flush away traces with water. For large spills (>5L), dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	Do not ingest. Avoid contact with skin and eyes. Do not breathe mist, vapours or spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing. Wash contaminated clothing and other protective equipment before storage or re-use.
Conditions for safe storage	Store out of direct sunlight. Store away from strong oxidising agents. Keep containers closed at all times - check regularly for leaks.
Storage temperature	45 °C to 50 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1-(2-methoxy-2-methylethoxy)-2-propanol	34590-94-8	TWA	50 ppm 308 mg/m^3	SWA
		TWA	100 ppm 606 mg/m^3	NZ WES
		STEL	150 ppm 909 mg/m^3	NZ WES

Biological occupational exposure limits						
Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
None allocated						

Engineering measures	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.
Personal protective equipment	
Respiratory protection	If inhalation risk exists wear a filter respirator suitable for organic vapours/particulates.
Hand protection	Wear rubber gloves or other chemical resistant gloves e.g. nitrile, neoprene, natural rubber or PVC if skin contact expected.
Eye protection	Safety goggles or safety glasses with side shields.
Body protection	Impervious clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable wash facilities for quick drenching or flushing of the eyes in case of contact or splash hazard.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product
Appearance	liquid
Colour	clear, yellow
Odour	citrus
Odour threshold	no data available
pH	no data
Melting point/freezing point	no data available
Boiling point	>100 °C
Flash point	Not applicable. Does not sustain combustion.
Evaporation rate	no data
Upper explosion limit	no data
Lower explosion limit	no data
Vapour pressure	no data
Oxidizing properties	The mixture is not classified as oxidising.
Density	1.0 - 1.02
Water solubility	soluble
Solubility in other solvents	no data
Partition coefficient: n-octanol/water	no data

Auto-ignition temperature	no data
Thermal decomposition	no data
Viscosity, kinematic	no data

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	None known.
Incompatible materials	Acids, strong oxidising agents.
Hazardous decomposition products	Hazardous combustion products: Carbon dioxide (CO2) Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Information on possible routes of exposure	Possible workplace exposure routes are: Inhalation Eye contact Skin contact
Acute symptoms related to exposure	
Eye	Health injuries are not known or expected under normal use. However, if unexpected contact occurs, may be mildly irritating to eye. Symptoms may include redness, irritation, stinging and watering.
Skin	Health injuries are not known or expected under normal use. However, may cause mild skin irritation with frequent or prolonged skin contact.
Inhalation	Health injuries are not known or expected under normal use. However, may cause mild respiratory irritation and headaches after prolonged exposure.
Ingestion	Not known to be toxic when swallowed. However, if ingested, symptoms may include nausea, vomiting, diarrhea.
Acute oral toxicity	Acute toxicity estimate : > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	no data
Acute dermal toxicity	no data
Skin corrosion/irritation	no data

Serious eye damage/eye irritation	May cause mild eye irritation.
Respiratory or skin sensitisation	no data
Germ cell mutagenicity	no data available
Carcinogenicity	no data available
Reproductive toxicity	no data available
STOT - single exposure	no data available
STOT - repeated exposure	no data available
Aspiration toxicity	no data available
Components (Ingredients)	
Acute oral toxicity	1-(2-methoxy-2-methylethoxy)-2-propanol LD50 (rat): 5177 mg/kg - 5225 mg/kg
Acute inhalation toxicity	1-(2-methoxy-2-methylethoxy)-2-propanol LC0 (rat) > 275 ppm
Acute dermal toxicity	1-(2-methoxy-2-methylethoxy)-2-propanol LD50 (rabbit): 9,510 mg/kg
Skin corrosion/irritation	1-(2-methoxy-2-methylethoxy)-2-propanol (rabbit): Slight irritant.
Serious eye damage/eye irritation	1-(2-methoxy-2-methylethoxy)-2-propanol (rabbit): Mild irritant.
Respiratory or skin sensitisation	1-(2-methoxy-2-methylethoxy)-2-propanol No evidence of skin sensitisation has been reported in human patch tests.
Germ cell mutagenicity	1-(2-methoxy-2-methylethoxy)-2-propanol Negative in genotoxicity tests.
Carcinogenicity	1-(2-methoxy-2-methylethoxy)-2-propanol (inhalation route) No evidence of carcinogenic effect in rats (read across studies)
Reproductive toxicity	1-(2-methoxy-2-methylethoxy)-2-propanol Studies of the developmental toxicity in rats and rabbits provided no evidence of any selective toxicity to the foetus.
STOT – single exposure STOT - repeated exposure	1-(2-methoxy-2-methylethoxy)-2-propanol (repeated exposure) No significant adverse effects were observed in rats, rabbits, guinea pigs and monkeys after repeated inhalation exposure.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	This product has no known ecotoxicological effects.
Toxicity to fish	no data available
Toxicity to daphnia and other aquatic invertebrates	no data available
Toxicity to algae	no data available

Components (Ingredients)	
Toxicity to fish	1-(2-methoxy-2-methylethoxy)-2-propanol 96 h LC50 Fish: > 1,000 mg/l
Toxicity to daphnia	1-(2-methoxy-2-methylethoxy)-2-propanol 48 h LC50 (Daphnia magna): 1919 mg/L
Toxicity to algae	1-(2-methoxy-2-methylethoxy)-2-propanol 96 hour EC50 (Green algae): >969 mg/L
Persistence and degradability	The ingredient, 1-(2-methoxy-2-methylethoxy)-2-propanol is readily biodegradable.
Bioaccumulative potential	no data available
Partition coefficient: n-octanol/water	1-(2-methoxy-2-methylethoxy)-2-propanol Log Kow: -0.064
Mobility in soil	no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste product and residues	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. The product should not be allowed to enter drains, water courses or the soil.
Contaminated packaging	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Road and Rail Transport
Classified as **non-Dangerous Goods** by the criteria of the Australian Dangerous Goods Code (ADG Code 7th ed.) for Transport by Road and Rail; Classified as **non-Dangerous** according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Marine Transport
Classified as **non-Dangerous Goods** by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport
Classified as **non-Dangerous Goods** by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15. REGULATORY INFORMATION

AICS	All substances listed
Poisons Schedule	Not scheduled
NZ Approval Code	Not required

SECTION 16. OTHER INFORMATION

AICS	**Australian Inventory of Chemical Substances**
SWA	**Safe Work Australia**
NZ	**New Zealand**
IARC	**International Agency for Research on Cancer**
WES	**Workplace Exposure Standards**
GHS	**Globally Harmonised System of Classification and Labelling of Chemicals**
HSNO	**Hazardous Substances and New Organisms**
EMS	**Emergency Spill Procedures**
STOT	**Specific Target Organ Toxicity**
TWA	**Time Weighted Average**
STEL	**Short-Term Exposure Limit**
CAS	**Chemical Abstracts Service**
DNEL	**Derived No Effect Level**
PPM	**Parts Per Million**
Mg/M^3	**Milligrams Per Metres Cubed**

Version:	2.0
Revision Date:	25 August 2021
Print Date:	25 August 2021

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organisation supporting this manufacturer, supplier or distributor.