SECTION 1. IDENTIFICATION

Product Name	**AAP AHS CERAMIC SEAL**
Material number	V35724 4x1gal

Recommended use of the chemical and restrictions on use

Recommended use	Vehicle surface protectant

Australian Distributor	Velocity Vehicle Care Pty Ltd 10 Holmwood Rd, Tottenham, VIC, 3012 Ph: 1300 990 074 Fax: 03 8669 4179 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) Fax: 07 974 9540 Email: orders@velocityvehiclecare.com
Emergency Number	**New Zealand: 0800 243 622**
Overseas Supplier	Zep Inc

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

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

Serious eye damage	Category 1
Skin irritation	Category 2
Skin sensitisation	Category 1

GHS label elements

Hazard pictograms

Signal Word **DANGER**

Hazard statements

H318 Causes serious eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

Prevention

P261 Avoid breathing mist, vapours or spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves, eye and face protection.

Response

P305 + P351 + P338 + P310

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.

P302 + P352 **IF ON SKIN**: Wash with plenty of water.

P333 + P313 If skin irritation or rash occurs: Get medical advice.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P401 Store in accordance with local regulations.

Disposal

P501 Dispose of contents & container in accordance with local, regional and national Regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Mixture

Hazardous components

Chemical name	CAS-No.	Concentration [%]
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane-quaternised	68604-75-1	≥ 20 - < 30
Decamethylcyclopentasiloxane	541-02-6	≥ 10 - < 20
2-butoxyethanol	111-76-2	≥ 10 - < 20
Propan-2-ol	67-63-0	≥ 5 - < 10
2-chloroethanol	107-07-3	≥ 1 - < 3
alpha-hexylcinnamaldehyde	101-86-0	≥ 0.1 - < 1

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, spill, or dangerous area. Symptoms of exposure may appear several hours later. Do not leave victim unattended.
Have this safety data sheet available for emergency/medical responders.

If inhaled
Consult a physician after significant exposure. Move victim to fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a doctor.

In case of skin contact
Wash off immediately with plenty of water for at least 15 minutes. If on clothes, remove clothes. Wash clothing before reuse. Get medical attention if symptoms develop.

In case of eye contact
Small amounts splashed into eyes can cause irreversible tissue damage and blindness. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed
Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop. 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. Symptoms may be delayed.

Most important symptoms and effects, both acute and delayed
Effects are immediate and delayed.
Symptoms may include stinging, irritation, redness, itchiness and pain.
Effects are dependent on exposure (dose, concentration, contact time).
Causes serious eye damage.
Causes skin irritation. May cause an allergic skin reaction.
Review section 2 of SDS to see all potential hazards.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray Dry chemical Alcohol-resistant foam Carbon dioxide (CO2)
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards during firefighting	May produce toxic fumes, for example, carbon monoxide if burning. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	Carbon dioxide (CO2) Carbon monoxide Nitrogen oxides (NOx) Smoke Chlorine compounds Silicon oxides Sulfur oxides
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 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	Avoid formation of aerosols. Do not breathe mists, vapours or spray. Use only with adequate ventilation. Avoid exposure - obtain special instructions before use. Smoking, eating and drinking should be prohibited in the application area. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing. Persons susceptible to skin sensitisation problems should not be employed in any process in which this mixture is being used.

Conditions for safe storage

Keep away from oxidizing agents and strongly acid materials.
Keep away from food and drink.
Prevent unauthorized access.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-butoxyethanol	111-76-2	TWA	20 ppm (96.9 mg/m^3)	SWA
		STEL	50 ppm (242 mg/m^3)	SWA
		TWA	25 ppm (120 mg/m^3)	NZ WES
Propan-2-ol	67-63-0	TWA	400 ppm (983 mg/m^3)	SWA NZ WES
		STEL	500 ppm (1230 mg/m^3)	SWA NZ WES
2-Chloroethanol	107-07-3	TWA	1 ppm (3.3 mg/m^3) peak limitation*	SWA NZ WES

**Peak limitation - For some rapidly acting substances and irritants, the averaging of airborne concentration over an eight-hour period is inappropriate. These substances may induce acute effects after relatively brief exposure to high concentrations and so the exposure standard for these substances represents a maximum or peak concentration to which workers may be exposed.*

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

Avoid breathing mists or sprays. Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. ABEK-P2 filter recommended where ventilation is inadequate.

Hand protection

Wear rubber gloves or other chemical resistant gloves e.g. nitrile, neoprene, natural rubber or PVC

Eye protection

Tightly fitting safety goggles or safety glasses with side shields.

Skin protection

Wear protective clothing and footwear.

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 and body in case of contact or splash hazard.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product
Appearance	liquid
Colour	clear
Odour	No data
Odour threshold	no data available
pH	6 - 7
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	> 93.3 °C
Evaporation rate	no data
Upper explosion limit	no data
Lower explosion limit	no data
Vapour pressure	no data
Relative vapour density	no data
Density	0.94 g/cm3 (40 °C)
Water solubility	completely 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	15 mm2/s (40 °C)

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	Strong oxidising agents
Hazardous decomposition products	No hazardous decomposition products are known

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	Severely irritating to eye. Symptoms may include redness, irritation, stinging, tearing and pain. Permanent corneal damage may occur if medical treatment is not obtained immediately.
Skin	Skin irritant and may cause an allergic reaction in contact with skin. May cause redness, itchiness, scaly and dry skin.
Inhalation	May cause mild respiratory irritation and headaches.
Ingestion	Not known to be toxic when swallowed. However, if ingested, symptoms may include nausea, vomiting, pain, diarrhea.
Acute oral toxicity	Estimate : > 2,372 mg/kg Method: Calculation method
Acute inhalation toxicity	Estimate : 20.98 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	Estimate 2,529 mg/kg Method: Calculation method
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	May cause irreversible eye damage
Respiratory or skin sensitisation	May cause skin sensitisation. May cause an allergic skin reaction.
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	2-butoxyethanol LD50 Oral Rat: 880 mg/kg propan-2-ol LD50 Rat: 4,396 mg/kg 2-chloroethanol LD50 Oral Rat: 71 mg/kg
Acute inhalation toxicity	2-chloroethanol LC50 Rat: 290 ppm Exposure time: 4 h

Acute dermal toxicity	2-butoxyethanol LD50 Rabbit: 1,060 mg/kg 2-chloroethanol LD50 Dermal Rabbit: 67 mg/kg
Skin corrosion/irritation	No data
Serious eye damage/eye irritation	No data
Respiratory or skin sensitisation	alpha-hexylcinnamaldehyde: May cause sensitisation by skin contact.
Germ cell mutagenicity	2-butoxyethanol No clear evidence of mutagenicity.
Carcinogenicity	2-butoxyethanol There is no clear evidence of a carcinogenic effect.
Reproductive toxicity	2-butoxyethanol No evidence for direct developmental toxicity
STOT - repeated exposure	2-butoxyethanol Extensive studies show no evident effect of repeated exposure.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	This product has not been tested. The components 2-butoxyethanol, 2-chloroethanol and propan-2-ol are readily biodegradable.
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	2-butoxyethanol 96 h LC50: 1,474 mg/l
Toxicity to daphnia	2-butoxyethanol 48 h EC50: 690 mg/l
Toxicity to algae	2-butoxyethanol 72 h EC50: 911 mg/l
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Partition coefficient: n-octanol/water	propan-2-ol : log Pow: 0.05 alpha-hexylcinnamaldehyde: log Pow: 4.686
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.
Contaminated packaging	Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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	S6 (2-chloroethanol)
NZ Approval Code	Polymers (Subsidiary Hazard) Group Standard 2020 The HSNO Approval Number for this Group Standard is HSR002644.
United States TSCA Inventory	On TSCA Inventory
Canadian Domestic Substances List (DSL)	All components of this product are on the Canadian DSL.

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**
TSCA	**Toxic Substances Control Act**
DSL	**Domestic Substances List**
NDSL	**Non-Domestic Substances List**
AU OEL	**Australian Occupational Exposure Limit**

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