SECTION 1. IDENTIFICATION

Product Name	**Rain-X AHS Graphene**
Product Number	**V38424**

Recommended use of the chemical and restrictions on use

Recommended use	Vehicle Care
Restrictions on use	Industrial and commercial use only
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

NOT CLASSIFIED as Dangerous goods for transport by road or rail per Australian Dangerous Goods Code 7th ed. and NZS 5433:2020 Transport of Dangerous Goods on Land. See Section 14 for further details.

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 Corrosion/Irritation	Category 2

GHS label elements

Hazard pictograms

Signal Word **DANGER**

Hazard statements

H318 Causes serious eye damage

H315 Causes skin irritation

Precautionary statements

Prevention

P264 Wash hands thoroughly after handling

P280 Wear protective gloves, eye, and face protection

Response

P302 + P352
IF ON SKIN: Wash with plenty of soap and water

P332 + P313
If skin irritation or rash occurs: Get medical attention

P305 + P351 + P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310
Immediately call a doctor or medical centre.

Disposal

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Mixture

Components

Chemical name	CAS-No.	Concentration [%]
Surfactant Mixture	proprietary	>= 15 - < 35
2-butoxyethanol	111-76-2	< 5
Glycolic acid	79-14-1	< 5

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

SECTION 4. FIRST AID MEASURES

General advice
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled
Move victim to fresh air. If unconscious place in recovery position and seek medical advice. Call a doctor after significant exposure or if symptoms persist.

In case of skin contact
If on skin, rinse well with water and a neutral soap.
If on clothes, remove clothes. Wash clothes thoroughly before re-use.
If skin irritation develops, call a doctor.

In case of eye contact
Small amounts splashed into eyes can cause irreversible tissue damage and blindness. Rinse immediately with plenty of room temperature water, also under the eyelids, for at least 15 minutes. Continue rinsing eyes during transport to hospital.
Remove contact lenses if easy to do so. If stuck to eye, leave in place as removing could cause further damage to the eye.
Protect unharmed eye. Keep eye wide open while rinsing.

If swallowed	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
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 can be immediate and delayed. Symptoms may include burns, redness/irritation, and pain. Effects are dependent on exposure (dose, concentration, contact time). Review section 2 of SDS to see all potential hazards.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards during firefighting	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.
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	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. 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. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 and 8.
Environmental precautions	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains, inform respective authorities.

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. Collect spilled material in suitable labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	Avoid formation of aerosols and mists. Do not breathe mists or sprays. Use with adequate ventilation. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms.
Conditions for safe storage	Avoid sources of heat, radiation, static electricity and contact with food. Do not allow storage temperature to fall below -4˚C or exceed 48˚C.
Materials to avoid	Oxidising agents, strong alkalis or bases.

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 (skin)	111-76-2	TWA	20 ppm / 96.9 mg/m^3	SWA
		TWA	25 ppm / 121 mg/m^3	NZ WES
		STEL	50 ppm / 242 mg/m^3	SWA

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

Engineering measures	Effective ventilation in all processing areas.
Personal protective equipment	
Respiratory protection	In the case of mist or spray formation use a respirator with an approved organic filter.
Hand protection	Wear rubber gloves or other chemical resistant gloves e.g. nitrile, neoprene, natural rubber or PVC.
Eye protection	Safety glasses with side shields or chemical goggles.
Skin protection	Wear protective clothing and chemical resistant 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	black
Odour	not available
Odour threshold	no data
pH	not available
Melting point/freezing point	no data
Boiling point	not available
Flash point	> 93˚C
Evaporation rate	no data
Upper explosion limit	no data
Lower explosion limit	no data
Vapour pressure	no data
Relative vapour density	no data
Relative density	0.981
Water solubility	no data
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	Extremes of temperature and direct sunlight
Incompatible materials	Oxidising agents, strong bases and alkalis
Hazardous decomposition products	Combustion by-products may include the following materials: carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Information on likely routes of exposure	Possible workplace exposure routes are: Inhalation Eye contact Skin contact
Early onset symptoms related to exposure (acute symptoms)	
Eye	Risk of serious eye damage. Symptoms may include burning, redness, swelling, stinging, tearing and pain. Permanent tissue damage may occur if first aid is not obtained immediately.
Skin	Causes skin irritation. Symptoms may include itching, redness, irritation
Inhalation	Inhalation of vapours or mists for prolonged, repetitive or at concentrations higher than the exposure standard may produce respiratory irritation. Symptoms may include coughing/sneezing, itchy or sore throat, runny nose, shortness of breath.
Ingestion	Ingestion may cause irritation in the throat, abdominal pain, nausea and vomiting.
Delayed health effects from exposure	Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect
Toxicological Information	
Acute oral toxicity	Estimate : > 5,000 mg/kg (LD50) Method: Calculation method
Acute dermal toxicity	Estimate: >5000 mg/kg (LD50) Method: Calculation method
Acute inhalation toxicity	Estimate: 227.04 mg/L (4 h) (LC50) Method: Calculation method
Skin corrosion/irritation	Causes skin irritation
Serious eye damage/eye irritation	Causes serious eye damage

Respiratory or skin sensitisation	Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects
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 1200 mg/kg Rat glycolic acid: LD50 2040 mg/kg Rat
Acute inhalation toxicity	2-butoxyethanol: LC50 11 mg/L (ATEi) glycolic acid: LC50 11 mg/L (ATEi)
Acute dermal toxicity	2-butoxyethanol: LD50 3000 mg/kg Rabbit
Skin corrosion/irritation	Glycolic acid: Causes severe skin burns
Serious eye damage/eye irritation	Glycolic acid: Causes serious eye damage 2-butoxyethanol: Causes serious eye irritation
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for sensitisation.
Germ cell mutagenicity	No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human mutagen
Carcinogenicity	No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed reproductive toxin.
STOT – single/repeated exposure	2-butoxyethanol: May cause respiratory irritation.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	This product has not been tested.
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 (acute)	2-butoxyethanol: LC50 1490 mg/L (96 h) Lepomis macrochirus glycolic acid: LC50 164 mg/L (96 h) Lepomis macrochirus
Toxicity to daphnia (acute)	2-butoxyethanol: EC50 1815 mg/L (48 h) Daphnia magna glycolic acid: EC50 141 mg/L (48 h) Daphnia magna
Toxicity to algae (acute)	2-butoxyethanol: EC50 911 mg/L (72 h) Pseudokirchneriella subcapitata glycolic acid: EC50 44 mg/L (72 h) Selenastrum capricornutum
Persistence and degradability	The organic components are readily biodegradable
Bioaccumulative potential	2-butoxyethanol: low glycolic acid: low
Partition coefficient: n-octanol/water	2-butoxyethanol: Pow Log 0.83 glycolic acid:-1.11
Mobility in soil	2-butoxyethanol: highly mobile in soil

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste product and residues	Do not dispose of waste product or residues to sewer. Dispose of in accordance with local regulations.
Contaminated packaging	Dispose of as unused product. Containers should remain labelled until all residues and traces of product have been eliminated.

SECTION 14. TRANSPORT INFORMATION

Road and Rail Transport
Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code 7th ed.) for Transport by Road and Rail. Not Classified as Dangerous according to NZS 5433:2020 Transport of Dangerous Goods on Land.

Marine Transport
Not Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport
Not Classified as 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	Cleaning Products (Subsidiary Hazard) Group Standard 2020 HSR002530

SECTION 16. OTHER INFORMATION

AICS	**Australian Inventory of Chemical Substances**
ADG	**Australian Dangerous Goods**
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**
STOT	**Specific Target Organ Toxicity**
TWA	**Time Weighted Average**
STEL	**Short-Term Exposure Limit**
CAS	**Chemical Abstracts Service**
TSCA	**Toxic Substances Control Act**
DSL	**Domestic Substances List**
NDSL	**Non-Domestic Substances List**

Version:	3.1
Revision Date:	15 Jul 2024
Print Date:	

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.