

## **SECTION 1. IDENTIFICATION**

Product Name **RAIN-X ONLINE PROTECTANT PLUS 5-GAL (18.9L)**  
Material number V35335

### **Recommended use of the chemical and restrictions on use**

**NZ Distributor** Velocity Vehicle Care NZ Ltd Level 4  
3 London St, Hamilton, 3204  
Phone: 0800 483 562 (0800 4 VELOC)  
**Emergency Number** Email: [orders@velocityvehiclecare.com](mailto:orders@velocityvehiclecare.com)  
**New Zealand: 0800 243 622**

Overseas Supplier NCS Vehicle Care

## 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
Respiratory sensitisation	Category 1
Skin sensitisation	Category 1
Skin irritation	Category 2

## GHS label elements

## Hazard pictograms



## Signal Word

## DANGER

Hazard statements

H318 Causes serious eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

**Prevention**

P261 Avoid breathing mists and sprays.

P264 Wash skin thoroughly after handling.

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

P280 Wear protective gloves, eye protection and face protection.

P284 Wear respiratory 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 a doctor.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTRE or a doctor

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

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

**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 [%]
2-butoxyethanol	111-76-2	>= 5 - < 10
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	61789-40-0	>= 5 - < 10
Quaternary ammonium compounds, dicoco alkylidimethyl, chlorides	61789-77-3	>= 1 - < 5
Propane-1,2-diol, propoxylated	25322-69-4	>= 1 - < 5
propane-1,2-diol	57-55-6	>= 1 - < 5
trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulfophenylazo)pyrazole-3-carboxylate	1934-21-0	>= 0.1 - < 1

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

**SECTION 4. FIRST AID MEASURES**

<b>General advice</b>	Move non-essential personnel away from treatment area, spill, or dangerous area. Do not leave victim unattended. Have this safety data sheet available for emergency/medical responders.
<b>If inhaled</b>	Remove to fresh air. If casualty is unconscious and not breathing – ensure that there is no obstruction to breathing and give artificial respiration by trained personnel. If necessary, give external cardiac massage and obtain medical assistance. If casualty is unconscious and breathing, place in the recovery position, obtain medical assistance. Administer oxygen if necessary.
<b>In case of skin contact</b>	If on skin, rinse well with water. If on clothes, remove clothes. Wash clothing before reuse. Get medical attention if symptoms develop.
<b>In case of eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing eyes during transport to hospital. Protect unharmed eye. Keep eye wide open while rinsing. Small amounts splashed into eyes can cause irreversible tissue damage and blindness
<b>If swallowed</b>	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop.
<b>Protection of first aiders</b>	Contact the Poison's Information Centre (Australia 131 126; New Zealand 0800 764 766).
<b>Notes to physician</b>	If potential for exposure exists refer to Section 8 for specific personal protective equipment. Treat Symptomatically.
<b>Most important symptoms and effects, both acute and delayed</b>	Effects are immediate and delayed. Symptoms may include blistering, irritation, burns, and pain. Symptoms may include difficulty breathing, coughing, wheezing, throat irritation, and tightness/closure of airway.

**SECTION 5. FIREFIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Water mist Dry powder Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards during firefighting</b>	Not flammable or combustible. May produce toxic fumes, for example, carbon monoxide if burning.
<b>Hazardous combustion products</b>	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides Smoke
<b>Special protective equipment for firefighters</b>	Firefighters are to wear self-contained breathing apparatus if in risk of exposure to fumes or products of combustion.
<b>Specific extinguishing methods</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	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.
<b>Environmental precautions</b>	Do not allow contact with soil. Prevent runoff to waterways, drains, stormwater or sewer.
<b>Methods and materials for containment and cleaning up</b>	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) . Neutralise area with chalk or dilute alkali solution. 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**

<b>Advice on safe handling</b>	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 or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
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**Conditions for safe storage**

Do not store near strong bases or reducing agents. Store in suitable labelled containers. 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. 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 <sup>3</sup> )	SWA
		STEL	50 ppm (242 mg/m <sup>3</sup> )	SWA
		TWA	25 ppm (120 mg/m <sup>3</sup> )	NZ WES
Propane-1,2-diol total: (vapour & particulates)	57-55-6	TWA	150 ppm (474 mg/m <sup>3</sup> )	SWA
		TWA	150 ppm (474 mg/m <sup>3</sup> )	NZ WES

Biological occupational exposure limits						
Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-butoxyethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200mg/g Creatinine	ACGIH BEI

**Engineering measures**

Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

**Personal protective  
equipment**

**Respiratory protection**

Avoid breathing mists or sprays. No personal respiratory protective equipment normally required when used as directed. However, if working in a poorly ventilated area and exposure limits may be exceeded, wear a respirator with ABEK-P2 cartridge.

**Hand protection**

Wear rubber gloves or other resistant gloves if contact with skin is expected.

**Eye protection**

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing problems.

**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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

	<b>Product</b>
Appearance	liquid
Colour	orange
Odour	Berry fragrance
Odour threshold	No data available
pH	3.9, 100 %
Melting point/freezing point	-6.6 °C
Boiling point	> 100 °C
Flash point	> 93.4 °C Method: closed cup
Evaporation rate	no data
Upper explosion limit	no data
Lower explosion limit	no data
Vapour pressure	no data
Relative vapour density	no data
Density	1.009 g/cm <sup>3</sup>
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	6 mm <sup>2</sup> /s (40 °C) 8 mm <sup>2</sup> /s (20 °C)

**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	Strong reducing agents Strong bases
Hazardous decomposition products	Decomposition products may include the following materials: Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide Nitrogen oxides (NO <sub>x</sub> ) Silicon oxides Chlorine

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Potential Health Effects**

<b>Information on possible routes of exposure</b>	Possible workplace exposure routes are: Inhalation Eye contact Skin contact
<b>Acute symptoms related to exposure</b>	
Eye	Corrosive to eye. Symptoms may include blistering, irritation, burns, and pain.
Skin	Skin irritant. May cause redness, itchiness, scaly and dry skin, burning or stinging.
Inhalation	Respiratory irritant. Symptoms may include difficulty breathing, wheezing, coughing, throat irritation, tightness or closure of airway. and pain. Effects are dependent on exposure (dose, concentration, contact time).
Ingestion	Not known to be toxic when swallowed. However if ingested, symptoms may include nausea, vomiting, pain, diarrhea.
Acute oral toxicity	Estimate : > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	Estimate : 110.13 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	Estimate : > 5,000 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 respiratory and skin sensitisation.
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
<b>Components (Ingredients)</b>	
Acute oral toxicity	2-butoxyethanol LD50 Oral Rat: 880 mg/kg
Acute inhalation toxicity	
Acute dermal toxicity	2-butoxyethanol LD50 Dermal Rabbit: 1,060 mg/kg
Skin corrosion/irritation	No data
Serious eye damage/eye irritation	No data
Respiratory or skin sensitisation	No data

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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**

<b>Toxicity to fish</b>	no data available
<b>Toxicity to daphnia and other aquatic invertebrates</b>	no data available
<b>Toxicity to algae</b>	no data available
<b>Components (Ingredients)</b>	

<b>Toxicity to fish</b>	2-butoxyethanol 96 h LC50: 1,474 mg/l
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<b>Toxicity to daphnia</b>	2-butoxyethanol 48 h EC50: 690 mg/l
<b>Toxicity to algae</b>	2-butoxyethanol 72 h EC50: 911 mg/l
<b>Persistence and degradability</b>	No data on product.
<b>Bioaccumulative potential</b>	Listed components are readily biodegradable.
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Mobility in soil</b>	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. Where local laws allow, e.g. trade waste agreement, diluted pH-adjusted residues may be sent to sewer.
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.

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**SECTION 14. TRANSPORT INFORMATION****Road and Rail Transport**

Classified as **Non-Dangerous Goods** by the criteria of the Australian Dangerous Goods Code (ADG Code 7<sup>th</sup> 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	Cleaning Products (Subsidiary Hazard) Group Standard 2020
United States TSCA Inventory	The HSNO Approval Number for this Group Standard is HSR002530.
Canadian Domestic Substances List (DSL)	On TSCA Inventory This product contains one or more components that are listed on the Canadian NDSL. All other components 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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