



SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Prestone Concentrated Antifreeze Coolant**
Product Code: AF2000 AF2000L AF2055 AFP2E AFP20E AFP20GREEN
AF2000-1KL/F AF2000-1KL/GF
Product Use: Coolant
Restriction of Use: Refer to Section 15

New Zealand Supplier: **Filpro Automotive NZ Ltd**
Address: 40 Firth St Drury
Auckland
Telephone: +64 9 2946752
Fax Number: +64 9 2946751

Emergency Telephone: 0800 764 766 (National Poison Centre)

Manufacturer: Prestone Corp
Address: 39 Old Ridgebury Road
Danbury, CT 06810-5109, USA
Inquires 001 203 830 7800

Date of SDS Preparation: 04 March 2021

Section 2. Hazards Identification

This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

EPA Approval No: Lubricants (Subsidiary Hazard) – HSR002606

Pictograms



Toxic / Irritant



Aspiration

Signal Word: DANGER

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1D (oral)	H302	Harmful if swallowed.	Category 4
6.4A	H319	Causes serious eye irritation.	Category 3
6.9A (Repeated exposure)	H373	May cause damage to kidneys through prolonged or repeated exposure	Category 2
9.3C	H433	Harmful to terrestrial vertebrates	

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.

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P260	Do not breathe fumes or vapours.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to environment
P280	Wear protective gloves & eye protection

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

Storage Code	Storage Statement
P405	Store locked up

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Ethylene Glycol	80-95	107-21-1
Diethylene Glycol	0-5	111-46-6
Ethyl Hexanoic Acid	>1	19766-89-3
Neodacanoic Acid	>1	31548-27-3
Dye	>.02	Mixture

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Rinse mouth. DO NOT induce vomiting. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Call a POISON CENTER (0800 764 766) or a doctor/physician if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazard Type	Non-flammable liquid
Hazards from combustion products	Carbon monoxide, Carbon dioxide.

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Suitable Extinguishing media	Always choose fire-extinguishing media appropriate for surrounding materials.
Precautions for firefighters and special protective clothing	Wear full protective gear.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel.

Collect for reclamation or absorb in vermiculite, dry sand or similar material.

Do not contaminate water sources or sewer. Dispose of according to Local Regulations.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Do not breathe fumes or vapours.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children
- Store above freezing.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance			TWA		STEL	
			ppm	mg/m ³	ppm	mg/m ³
Ethylene glycol	[107-21-1]	(Ceiling)	50	127		
Diethylene glycol	[111-46-6]		23	101		

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

Ensure adequate ventilation is available.

Personal Protection

Eyes	Wear goggles with side shields. Avoid wearing contact lenses.
Hands and Skin	Use suitable protective gloves and protective clothing if risk of skin contact. EN374 Rubber gloves are recommended.
Respiratory	If ventilation is poor, use appropriate cartridge respirator.

Section 9 Physical and Chemical Properties

Appearance	Yellow/Green liquid
Odour	Near odourless

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Odour Threshold	Not applicable
pH	8.7-9.2
Boiling Point	171C
Melting Point	- 34C
Freezing Point	- 36C
Flash Point	123C TOC
Flammability	Non-flammable
Upper and Lower Exposure Limits	Not applicable
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Relative Density	Not applicable
Solubilities	Soluble in water
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Not known
Incompatible Materials	Avoid strong bases at high temperatures, strong acids, strong oxidizing agents, and materials reactive with hydroxyl compounds.
Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed. LD ₅₀ = 522.152 mg/kg (calculated)
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Causes mild skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to kidneys through prolonged or repeated exposure.

Section 12. Ecotoxicological Information

HSNO Classes: 9.3C=Avoid release into environment.

Persistence and degradability	No data available
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Bioaccumulation	No data available
Mobility in Soil	Highly mobile in soil
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Precautions: Dispose of waste according to Local regulations.

Disposal methods to avoid: Do not allow product to enter sewers, streams, or waterways

Section 14 Transport Information

This product is NOT classified as a Dangerous Good in NZ ; NZS 5433:2012

Section 15 Regulatory Information

EPA Approval Code: **Lubricants (Subsidiary Hazard) – HSR002606**

HSNO Classification: 6.1D(oral), 6.4A, 6.9A, 9.3C

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	10 000L
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	Lubricant only

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit
AWC	Aggregate water capacity

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

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