



SAFETY DATA SHEET

Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name: ANTIFREEZE 80/20 RED
Proper Shipping Name
Recommended use: Engine & Refrigeration Coolant
Company Details Marketing Chemicals Ltd
Address: 2 Rymer Place, Mangere Bridge
Auckland. New Zealand
Telephone: +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax: +64 9 634 3864
Emergency Telephone: +64 274 736008(24 hours)
National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation 27 March 2015

Section 2: Hazard Identification



DANGER:

- Causes damage to organs through prolonged or repeated exposure
- May be harmful if swallowed.
- Causes eye irritation.
- Harmful to terrestrial vertebrates.

HSNO Approval Number: Group Standard is HSR002684.

Group Standard: Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2006

HSNO Classes: 6.1E(oral), 6.4A, 6.9A, 9.3C

Prevention Statements:

- Keep out of reach of children.
- Read label before use.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.

Response Statements

- If medical advice is needed, have product container or label at hand.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- Get medical advice/attention if you feel unwell.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Mono Ethylene Glycol	< 80	107-21-1
Denatonium Benzoate	<10	3734-33-6
Tolytriazole	<7.5	29385-43-1
Sodium Hydroxide	0.1 – 2.0	3734-33-6
Water	Balance	7732-18-5

Section 4: First Aid Measures

Eyes:	If medical advice is needed, have product container or label at hand. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin:	Get medical advice/attention if you feel unwell.
Ingestion:	Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting.
Inhalation:	Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Flash Point:	127°C Degrees
Auto ignition Temperature:	Not available
Flammable Limits in Air % by Volume:	Not available
Extinguishing Media:	All
Fire Fighting Instructions:	
Unusual Fire and Explosion Hazards:	Carbon monoxide

Section 6: Accidental Release Measures

Do not release into waterways.

Section 7: Handling And Storage

Handling & Storage:	Wash thoroughly after handling. Do not get in eyes. Do not breathe vapour or fumes. Protect from physical damage. Clean up all spills immediately to prevent secondary accidents.
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Section 8: Exposure Controls/Personal Protection

Engineering Controls:	General (mechanical) room ventilation is considered satisfactory in enclosed spaces.
Eye / Face Protection:	Safety Glasses/Full face masks
Body Protection:	PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
Respiratory Protection:	
Exposure Limits:	Ethylene Glycol : ACGIH_TLV : 100 mg/m3

Section 9: Physical And Chemical Properties

Appearance	Clear Red Liquid
pH	8.0
Specific Gravity	1.123
Vapour Pressure	Not available
Vapour Density	Not available
Solubility in water	Complete
Flash Point	127 ^o C Deg
Evaporation Rate	Not available

Section 10: Stability And Reactivity

Stability of the Substance:	Stable under normal conditions
Conditions to avoid:	
Materials to avoid:	strong oxidizing agents
Hazardous Decomposition Products:	Aldehydes (Elevated temperatures)
Conditions Contributing to Hazardous Polymerization	Hazardous Polymerization: Hazardous polymerization will not occur

Section 11: Toxicological Information

Eyes:	SPECIES: Rabbit ;RESULTS: Moderately irritating
Skin:	
Ingestion:	SPECIES: Cat ;ENDPOINT: LD50 ;VALUE: 2087 mg/kg bw
Inhalation:	

Section 12: Ecological Information

SPECIES: Cat ;TYPE OF EXPOSURE:
ENDPOINT: LD50; VALUE: 1670 mg/kg bw

Section 13: Disposal Considerations

Dispose (large quantities) through Licensed Disposal Company

Section 14: Transport Information

Not regulated as hazardous for transportation

UN No:

Proper Shipping Name:

Dangerous Goods Class:

Subsidiary risk

Packing Group:

Hazchem Code:

Section 15: Regulatory Information

HSNO Approval No: HSR002684

Group Standard: Water Treatment Chemicals (Subsidiary Hazard)

HSNO Classes: 6.1E, 6.4A, 6.9A, 9.3C

Section 16: Other Information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]
New Zealand Emergency Services: 111

For General Information: John Crombie, Manager, Marketing Chemicals Ltd,
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End of Safety Data Sheet.