SAFETY DATA SHEET

Product Name Antifreeze / Coolant

1. PRODUCT AND COMPANY IDENTIFICATION

Recommended use:	Engine & Refrigerator Coolant
Company Details:	Super Shine Products Ltd
Address:	64, 66 Huia Road, Otahuhu Auckland. New Zealand
Telephone Number:	+64 9 276 1591
Emergency Telephone Number:	National Poison Information Centre 0800 764 766
Date of Preparation:	29/1/2014

2. HAZARD IDENTIFICATION

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

Warning

Code:	Hazard Statements:
H302	Harmful if swallowed
H319	Causes serous eye irritation
H372	Causes damage to organs through prolonged or repeated exposure
H433	Harmful to terrestrial vertebrate

Prevention Statements:

- Read label before use
- Keep out of reach of children
- Wear protective gloves and eye/face protection
- Wash hand thoroughly after handling
- Do not eat, drink or smoke when using the product
- Avoid release to the environment

Response Statements:

- If medical advice is needed, have medical container or label in hand
- Get medical advice/attention if you feel unwell
- If swallowed; call a POISON CENTRE or doctor/physician if you feel unwell
- Rinse mouth
- Call a poison centre or doctor/physician if you feel unwell
- If in eyes, wash cautiously with water for several minutes, remove contact lenses, if present and easy to do so, continue rising
- If eye irritation persist, get medical advice/attention

Storage statement:

- Store in well ventilated place keep cool

Disposal Statement:

- Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration %
Mono Ethylene Glycol	107-21-1	80
Corrosion inhibitor		6
Fluorescent Dye		0.1
Water	7732-18-5	level

4. FIRST AID MEASURES

Ingestion:

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Seek immediate medical attention.

Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.

Skin Contact:

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen. Get medical help.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Use dry chemical powder, foam, polymer foam, water spray or fog type extinguishers. Water may be ineffective on fire. However water spray may be used to extinguish fires, and to absorb heat, keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

Hazards from combustion products:

The product is not combustible, however following evaporation of aqueous component residual material can burn it ignited. On burning will emit toxic fumes including those of carbon monoxide and carbon dioxide.

Precautions for fire fighters and special protective equipment:

Fire fighters to wear self contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighters uniform.

Hazachem code:

None Assigned.

6. ACCIDENTAL RELEASE MEASURES

Emergency Precautions:

Personnel involved in the clean should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

Methods and Materials for Containment and Clean Up:

Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Use only in a well ventilated area. Avoid contact with eyes, skin and clothing. Empty containers retain product and residue, (liquid or vapour), and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

Storage:

Store in a tightly closed container. Keep from contact with oxidizing materials. Store in cool, dry, well ventilated area away from incompatible substances. Keep containers closed at all times, check regularly for leak.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

No Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) has been set by the Occupational Safety and Health Service, NZ Department of Labour for this substance.

Biological limit values:

None established

Engineering Controls:

The use of local exhaust ventilation is recommended to control process emissions near the sources. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof ventilation equipment.

Personal Protective equipment:

Respiratory Protection:

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection:

Always use safety glasses or a face shield when handling this product.

Skin/Body Protection:

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Fluorescent green
Physical State:	Liquid
Odour:	odourless
pH:	7.0-/+.5
Solubility:	soluble in water
Vapour Density:	not applicable
Boiling point:	>250 deg
Freezing Point:	**<-**50
Ignition Point:	not applicable
Flash Point:	not applicable
Specific Gravity:	1.12
Vapour pressure:	not applicable
% Volatilities:	not available

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable at room temperature and pressure.
Conditions to avoid:	direct sunlight, moisture
Incompatible Materials:	Incompatible with oxidizing agents, acidic agents, including acidic clays, and sources of ignition.
Hazardous decomposition:	When involved in a fire, this product will generate carbon monoxide
Hazardous reactions:	Oxidizing agents, mineral acids, halogenated organic compounds.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with the safety data sheet. Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

Acute Effects

Ingestion:

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion large amounts of this product will result on headaches, nausea, dizziness and tracheal burning.

Eye Contact:

This product is irritating to eyes but will not permanently damage eye tissue.

Skin Contact:

This product is irritating to skin and may result in dryness and cracking of skin.

Inhalation:

Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result on muscles weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

12. ECOLOGICAL INFORMATION

Persistence/ degradability: the substance is expected to be readily biodegradable
Mobility: No data available for this product.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

14. TRANSPORT INFORMATION

Road and Rail Transport:

Not classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by Road and Rail

Marine Transport:

Not classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.

Air Transport:

Not classified as Dangerous Goods by the criteria of international Air Association Dangerous Goods Regulations for transport by air

15. REGULATORY INFORMATION

HSNO Approval No: HSR002684
Group Standard: Water treatment chemicals Group Standard 2006
HSNO Classification: 6.1D, 6.4A, 6.9A, 9.3C

16. OTHER INFORMATION

New Zealand National Poison Information Centre: 0800 764 766
New Zealand Emergency Services: 111
Super Shine Products Limited: +64 9 276 1591

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Super shine Products Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.

M. Derballa B.Sc.