PRECISION LUBRICATION

MATERIAL SAFETY DATA SHEET

Product Name	ANTIFREEZE 98% CONCENTRATE ORANGE
Product Code	
Labeling for Transport	Not Classified

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Antifreeze 98% Concentrate Orange
Supplier	NONA INDUSTRIAL CC
Updated	Apr. 2017
Review	Apr. 2019
CAS Number	N/A
UN Number	N/A
Health Emergency Telephone	(011) - Red Cross Poison
Transport Emergency Telephone	(011) 331 2947 (Hazchem)

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Names and Synonyms:
Petroleum Hydrocarbon

Ingredients considered hazardous to Health:

Chemical Names and Synonyms;	Petroleum Hydrocarbon
Substance Name:	Wt%
Ethylene Glycol	> 93
Corrosion Inhibitors / Additives	>5
Water	Balance

SECTION 3. HAZARDOUS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS
Keep out of reach of children

SECTION 4. FIRST AID MEASURES

General: Instantly remove any clothing soiled by the product.

Swallowed	If swallowed, do NOT induce vomiting. Seek immediate medical attention. Eye: If in eyes, hold eyes open flood with water for at least 15 minutes. If irritation persists seek medical attention.
Eyes	Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Inhaled	Flush thoroughly with water. If irritation occurs, call doctor.
First Aid Facilities	Portable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
Advice to Doctor	Treat symptomatically.
Inhalation	Inhalation of vapour or fumes may cause mild throat irritation.
Ingestion	Seek medical attention. If medical attention will be delayed, induce vomiting with Syrup of Ipecac followed by ½ to 1 full glass of water. If syrup is not available, induce vomiting by placing finger down the throat. Do not induce vomiting or give anything by mouth to an unconscious patient.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Non combustible, not considered to be a significant fire risk. For small fire use dry chemicals, carbon dioxide, water spray or foam. For large fires use water spray, fog. Do not use water jet. Hazards from combustion products: None expected. Precautions for Fire Fighters and Special Protective Equipment: Wear protective clothing. Additional Information: None.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations Spills and Disposal, Methods and Materials for Containment and Clean Up Procedures: For small spills, dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. For large spills, absorb with an inert material and put the spilled material in an appropriate disposal container. Dispose of in accordance with regional regulations. Precautions for Safe Handling and Storage: Avoid contact with eyes, skin and clothing. DO NOT ingest. Avoid breathing mist. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands

SECTION 7. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Standards: None assigned. Biological Limit Values: No biological limit allocated. PERSONAL PROTECTIVE EQUIPMENT Respiratory Protection: Wear appropriate respirator when ventilation is inadequate. Hand Protection: Use solvent resistant gloves. (Nitrile, PVC or neoprene). Eye Protection: Wear safety goggles. Protective Clothing: No special protection is ordinarily required beyond standard issue work clothes. Engineering Controls: Avoid generating and inhaling mists.

SECTION 8. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical characteristics are given below.

Appearance	Fluorescent Green Liquid
Colour	Mild
pH	7.5 to 9.5
Vapour Pressure (mmHg @ 20°C)	Not available
Vapour Density (air = 1)	Not available
Freezing/ Melting Point (°C)	< -45
Solubility in Water	Soluble in water
Specific Gravity (g/ml @ 15°C)	1.120-1.135
Flammability Limits (%)	N/A
Auto Ignition Temperature (°C):	N/A
Percent Volatiles	0

N/A = Not Applicable, N/E = Not Established, D = Decomposes
For further technical information, contact your marketing representative

SECTION 9. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS Acute: Swallowed: None hazardous. Eye: Contact may cause minor eye irritation. Skin: Prolonged contact may cause dermatitis. Inhaled: Inhalation should be minimal since vapours are unlikely due to physical properties. Inhalation of mists

SECTION 10. ECOLOGICAL INFORMATION

Ecotoxicity	Not available.
Mobility	Miscible with water
Persistence /degradability	Biodegradable

SECTION 12. DISPOSAL INFORMATION

Waste disposal: Ensure waster disposal conforms to local waste disposal regulations

SECTION 13. TRANSPORT INFORMATION

UN Number:
Non Regulated

Proper Shipping Name:
N/A

Class:
N/A

Subsidiary Risk:
N/A

Packing Group:
N/A

Hazchem Code:
N/A

SECTION 14. REGULATORY INFORMATION

Poisons Schedule: N/S
AICS: Listed
Dangerous Goods initial Emergency Response Guide (SAA/SNZ HB76:2010) : N/A

SECTION 15. DISCLAIMER

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product.

Nothing is intended as a recommendation for uses, which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.

Prepared by	NONA INDUSTRIAL CC Product Technical Services

For further information Please contact:	Technical manager P.O. Box Tel: 011 664 8659