

# MATERIAL SAFETY DATA SHEET



## 1. Product and company identification

**PRODUCT NAME** : PolarZone RV Antifreeze  
**PRODUCT CODE** : 0680  
**SUPPLIER** : NEMCO RESOURCES LTD.  
25 Midland Street  
Winnipeg, Manitoba  
R3E 3J6 Canada  
**Date Issued** : October, 2013  
**Emergency (call collect)** : 204-788-1030  
**CANUTEC** : 613-996-6666

## 2. Hazards identification

NFPA HAZARD RATING	
HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
OTHER	NOT APPLICABLE

**Health Hazards** : Not classified as dangerous for supply or conveyance  
**Safety Hazards** : Not classified as flammable but will burn  
**Environmental Hazards** : Not classified as dangerous for the environment

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CASRN	Concentration By Vol%
Propylene Glycol	VARIOUS	38 min
Water		60 max

## 4. FIRE FIGHTING MEASURES

- Auto ignition Temperature** : > 300 °C / 572 °F
- Extinguishing Media** : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only
- Not Suitable Extinguishing Media** : Do not use water in a jet.
- Protective Equipment for Firefighters** : Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space
- Specific Hazards** : Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds

## 5. REACTIVITY DATA

- Stability/Polymerization** : Stable
- Incompatibility (Material to Avoid)** : N/A
- Hazardous Decomposition or By-products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced

*Note: This product does NOT contain any hazardous substances reportable under CERCLA.*

## 6. HEALTH HARZARD DATA

- Health Hazards and Signs and Symptoms of Exposure** : Slightly irritating to respiratory system. May cause slight irritation to skin. Moderately irritating to eyes. Low toxicity if swallowed
- Acute Effects** : Expected to be of low toxicity
- Medical Conditions Generally Aggravated by Exposure** : No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
- Emergency and First Aid Procedures:**
- Eyes** : Flush eyes with water while holding eyelids open. Rest eyes for 30 minutes. If redness, burning, blurred vision, or swelling persists, transport to the nearest medical facility for additional treatment.
- Skin** : Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention
- Inhalation** : No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
- Ingestion** : In general no treatment is necessary unless large quantities are swallowed, however, get medical advice

## 7. HANDLING AND STORAGE

- HANDLING** : Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.
- STORAGE** : Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and closeable containers. Storage Temperature: 0 - 50 °C / 32 - 122 °F

## 8. SPECIAL PROTECTION INFORMATION

- RESPIRATORY PROTECTION** : No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [boiling point >65 °C (149 °F)].
- EYE PROTECTION** : Wear safety glasses or full face shield if splashes are likely to occur.
- Hand Protection** : Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
- PROTECTIVE CLOTHING** : Skin protection not ordinarily required beyond standard issue work clothes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Liquid/Pink
- pH** : Not available
- BOILING POINT °C** : > 103 °C / 218 °F
- MELTING POINT C (F)** : Not available
- FLASH POINT C (F)** : > 100 °C / 212 °F
- VAPOR PRESSURE** :
- mmHg 21.2 C** :
- VAPOR DENSITY:** : 1.11( Methanol)
- RELATIVE DENSITY, 15 C** : Not available
- SOLUBILITY IN WATER** : SOLUBLE
- EVAPORATION RATE** : Not established
- FREEZING POINT °C** : < -23 °C / -10 °F

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

## 10. TRANSPORT INFORMATION

<b>TDG CLASS</b>	:	Not regulated under TDG
<b>IMDG CLASS</b>	:	Not regulated under IMDG
<b>DOT CLASS</b>	:	Not a DOT regulated material
<b>INTERNATIONAL AIR TRANSPORT ASSOCIATION</b>	:	Not regulated under IATA
<b>MSDS Prepared by</b>	:	NEMCO RESOURCES LTD Judgements as to the suitability herein for the user's

## 11. OTHER INFORMATION

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FOR FURTHER INFORMATION, CONTACT:

<b>Date of printing</b>	:	October, 2013
<b>Date of issue</b>	:	October, 2013
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