



# MAJOR BRANDS Lubricants

## -100° RV ANTIFREEZE (RED)

### SAFETY DATA SHEET

#### SECTION 1

#### CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Chemical Name:	-100 RV Anti-freeze with Dye	Date Prepared: 10/17/2014
Use of substance/mixture:	Automotive Engine Antifreeze & Coolant	
CAS Registry:	57-55-6	
Details of the supplier:	Major Brands Oil Company 462 West 23rd Street, Holland, MI 49423 616-392-5936 www.majorbrandsoil.com	<b>EMERGENCY PHONE NUMBERS</b> USA Chemtrec 800-424-9300 24 hrs International Chemtrec 703-527-3887

#### SECTION 2

#### HAZARDOUS IDENTIFICATION

##### GHS-US Classification of Mixture:

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

#### SECTION 3

#### COMPOSITION / INFORMATION ON INGREDIENTS

The product contains no substances which, at their given concentration, are considered to be hazardous to health. However, additional component information is available in subsequent sections of this SDS.

#### SECTION 4

#### FIRST AID MEASURES

##### Emergency and First Aid

##### Procedures:

Eye contact:	Immediately flush with large quantities of water for at least 20-30 minutes, lifting lower and upper lids. Get medical attention as soon as possible. Obtain medical attention if pain, blinking, tearing or redness persist.
Skin contact:	Wash thoroughly in flowing water or shower. Promptly remove any soiled clothing and wash before re-use. If irritation persists, get medical attention.
Ingestion:	If large quantity is swallowed, give a pint of lukewarm water if victim is completely conscious and alert. If large quantities are consumed, induce vomiting. Obtain emergency medical attention immediately.
Inhalation:	Remove to fresh air. Restore and/or support breathing as required. Keep victim warm and at rest. Obtain emergency medical attention immediately.
<b>Note to Physicians:</b>	Treat symptomatically

##### Special

##### Precautions/Procedures:

May cause minor eye irritation. Repeated, prolonged exposure may cause slight flaking, tenderness and softening of the skin. Excessive ingestion may cause central nervous system effects. Material and/or its emissions may aggravate pre-existing eye disease.

#### SECTION 5

#### FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### Unsuitable Extinguishing Media:

Not determined.

##### Specific Hazards Arising from the Chemical:

Not Determined

##### Hazardous Combustion

##### Products:

Carbon monoxide and other toxic vapors



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**Protective equipment and precautions for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Fight fire from a distance or protected location. Heat may build up pressure and rupture closed containers. Liquid may form slippery film. Use water spray or fog for cooling; solid stream may spread fire as burning liquid will float on water. Avoid frothing/steam explosion. Notify authorities if liquid enters sewers/public waters.

#### SECTION 6

#### ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment as required

**Methods and material for containment and cleaning up:**

Prevent further leakage or spillage if safe to do so. Prevent flow to sewers and public waters as it may contaminate said water. Restrict water usage to prevent slip/fall hazard. Soak up small spills with inert solids. Dike and recover large land spills. Notify the proper authorities if product enters any waterway.

#### SECTION 7

#### HANDLING AND STORAGE

**Handling Precautions:**

Handle in accordance with good industrial hygiene and safety practice.

**Storage:**

Store in tightly closed and properly vented containers, away from heat, sparks, open flame and strong oxidizing agents.

**Incompatible Materials:**

Strong alkalis. Strong oxidizing agents

#### SECTION 8

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines:**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Controls:**

Adequate general ventilation is required; local exhaust is recommended.

**Eye/Face Protection:**



Chemical splash goggles or full face shield must be worn when the possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses should not be worn.

**Skin and Body Protection:**

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

**General Hygiene Considerations:**

Handle in accordance with good industrial hygiene and safety practice



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#### SECTION 9

#### PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:	Clear red liquid, odorless
pH:	8.0
Relative evaporation rate (butylacetate=1):	Nil
Boiling Point (760 mm Hg):	370° F
Freezing/Melting Point:	Product will not freeze
Flash Point:	218°F
Auto-ignition temperature:	Not determined
Specific Gravity (water =1):	1.04
Vapor Density (air =1):	2.6
Evaporation Rate (butyl acetate =1):	Slight
Solubility in Water (% by wt):	Not determined
Vapor Pressure (at 20°C):	< 0.1 mmHg
Viscosity SUS @ 100°F:	No data available
Explosive limits:	Not determined
Upper flammability limits:	12.5
Lower flammability limits:	2.6

#### SECTION 10

#### STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions
Chemical Stability:	Stable under recommended storage conditions
Possibility of Hazardous Reactions:	None under normal processing
Hazardous Polymerization:	Not expected to occur
Conditions to avoid:	Heat, flames and sparks. Incompatible materials
Incompatible Materials:	Strong alkalis. Strong oxidizing agents
Hazardous Decomposition Products:	Carbon monoxide and other toxic vapors

#### SECTION 11

#### TOXICOLOGICAL INFORMATION

Eye Effects:	Believed to cause slight eye irritation.		
Skin Effects:	Can be irritating to skin upon prolonged contact.		
Inhalation Effects:	Do not inhale		
Oral Effects:	Do not ingest		
Component Information:			
Propylene Glycol	57-55-6 (CAS)	LD50 Oral - Rat	20,000 mg/kg
		LD50 Dermal - Rabbit	20,800 mg/kg
Symptoms:	Please see section 4 of this SDS for symptoms		
Carcinogenicity:	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP		
Numerical measures of Toxicity:	Not determined		



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#### SECTION 12

#### ECOLOGICAL INFORMATION

**Ecotoxicity:**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information:**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Propylene Glycol	19000: 96 h	51600: 96 h	10000: 24h
57-55-6 (CAS)	Pseudokirchneriella	Oncorhynchus Mykiss mg/L LC50	Daphnia Magna mg/L
	Subcapitata mg/L EC50	Static 41-47: 96 h	EC50 10000:48
		Oncorhynchus mykiss mL/L LC50	Daphnia magna mg/L
		static 51400:96 h	EC50 Static
		Pimephales promelas mg/L LC50	
		static 710: 96 h	
		Pimephales promelas mg/L LC50	
<b>Persistence/Degradability:</b>	Not Determined		
<b>Bioaccumulation:</b>	Not Determined		
<b>Mobility:</b>	Not Determined		
<b>Other Adverse Effects:</b>	Not Determined		

#### SECTION 13

#### DISPOSAL CONSIDERATIONS

**Waste Disposal Method:  
Disposal Regulatory  
Requirements:**

Dispose of waste in accordance with Federal, State and local laws.

Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses transformations, mixture, processes, etc., may render the resulting material hazardous (see waste classifications)

**Container Cleaning and  
Disposal:**

Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations

#### SECTION 14

#### TRANSPORT INFORMATION

**Note:**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT:**

Not regulated

**IATA:**

Not regulated

**IMDG:**

Not regulated

#### SECTION 15

#### REGULATORY INFORMATION

**International Inventories:  
US Federal Regulations:**

All ingredients are listed or exempt from list on Chemical Substance Inventory SARA 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**US State Regulations:  
US State Right-to-Know  
Regulations:**

California Proposition 65 - Does not contain any Proposition 65 Chemicals

Propylene Glycol - New Jersey, Pennsylvania



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#### SECTION 16

#### OTHER INFORMATION

**NFPA health hazard:**

0 - Minimal Hazard

**NFPA fire hazard:**

1 - Slight Hazard

**NFPA reactivity:**

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

#### HMIS III Rating

**Health:**

0 - Minimal Hazard

**Flammability:**

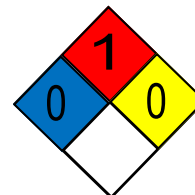
1 - Slight Hazard

**Physical:**

0 - Minimal Hazard

**Personal Protection:**

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The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not apply.