

# MATERIAL SAFETY DATA SHEET

## CHAMPION RV ANTI-FREEZE –100' F

### SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: Champion RV AntiFreeze –100' F

MANUFACTURER'S NAME: Champion Packaging & Distribution, Inc.  
1840 Internationale Parkway  
Woodridge, IL 60517  
(630) 972-0100

DATE LAST REVISED: January 1, 2004

EMERGENCY TELEPHONE NO.: INFOTRAC: 1-800-535-5053

### SECTION II - INGREDIENTS

<u>MATERIAL</u>	<u>CAS #</u>	<u>% BY WT.</u>	<u>VAPOR PRESSURE mm Hg @ TEMP.</u>	
Propylene Glycol	57-55-6	50%	.08	68' F
Additives	N/A	<.001		

### SECTION III – PHYSICAL PROPERTIES

BOILING POINT (DEG. F): 370

FREEZE POINT: Product will not freeze

SPECIFIC GRAVITY (WATER = 1): 1.04

VAPOR PRESSURE (mm of Hg) @ 20°C: <0.1

VAPOR DENSITY (AIR = 1): 2.6

WATER SOLUBILITY: Complete

EVAPORATION RATE (BuAc = 1): Slight

APPEARANCE: Clear, red liquid

ODOR: Slightly viscous, almost odorless liquid

### SECTION IV – STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks, open flame

MATERIALS TO AVOID: Strong alkalis, strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BY -PRODUCTS: Carbon monoxide, and other toxic vapors

HAZARDOUS POLYMERIZATION: Not expected to occur

## **SECTION V – FIRE AND EXPLOSION DATA**

### **FLAMMABLE PROPERTIES:**

**FLASH POINT:** 218° F

**FLAMMABLE OR EXPLOSIVE LIMITS (approximate % by volume air):** LEL: 2.6 UEL: 12.5

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, alcohol type foam, water spray, water fog

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear positive pressure, self-contained breathing apparatus and other protective apparatus as warranted. 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.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known

## **SECTION VI – HEALTH HAZARD DATA**

### **NFPA RATING:**

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0

**KEY:** 1 - Minimal 2 - Slight 3 - Moderate 4 - Serious 5 – Severe

**ROUTES OF EXPOSURE:** Eye contact, skin contact, inhalation, ingestion

**EYE:** May cause minor eye irritation.

**SKIN:** No significant adverse effects are expected under conditions of normal use. Repeated, prolonged exposure may cause slight flaking, tenderness and softening of the skin. The LD50 for skin absorption in rabbits is >10,000 mg/kg.

**INGESTION:** No significant adverse effects are expected under conditions of normal use. Excessive ingestion may cause central nervous system effects. The oral LD50 for rats is 20,000 – 34,000 mg/kg.

**INHALATION:** No significant adverse effects are expected under conditions of normal use. If effects do occur, refer to FIRST AID section.

**SYSTEMIC & OTHER EFFECTS:** Repeated excessive ingestion may cause central nervous system effects. No carcinogenic effects have been seen in long-term animal studies. Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus. In animal studies, has been shown not to interfere with reproduction. Results of mutagenicity test in vitro (test tube) and in animals have been negative.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Same as above.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Material and/or its emissions may aggravate pre-existing eye disease.

## **SECTION VII – FIRST AID MEASURES**

**EYES:** Immediately flush eyes with large amounts of water for 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:** Wash thoroughly in flowing water or shower. Promptly remove any soiled clothing and wash thoroughly before re-use.

**INHALATION:** If overcome by exposure, remove person to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention immediately.

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.

## **SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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

VENTILATION: Adequate general ventilation is required; local exhaust is recommended.

PROTECTIVE GLOVES: Not required.

EYE 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.

OTHER PROTECTIVE EQUIPMENT: None.

PERSONAL HYGIENE: If product handling results in skin contact, wash hands and other exposed areas with mild soap and water before eating, drinking, smoking or using toilet facilities.

## **SECTION IX – HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in tightly closed and properly vented containers, away from heat, sparks, open flame and strong oxidizing agents.

## **SECTION X – SPILL, LEAK AND DISPOSAL PROCEDURES**

IF MATERIAL IS RELEASED OR SPILLED: 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.

WASTE DISPOSAL METHOD: Landfill solids at permitted sites using registered transporters. Burn concentrated liquids, avoiding flameouts and assuring emissions comply with applicable regulations. Diluted aqueous waste may biodegrade, but avoid overloading plant biomass and assure effluent complies with applicable regulations.

## **SECTION XI – TRANSPORTATION INFORMATION**

This product is not regulated by the DOT.

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