



# MATERIAL SAFETY DATA SHEET

**MATERIAL IDENTITY: Champion -50 Blend RV & Marine Antifreeze**

## SECTION 1 – PRODUCT IDENTIFICATION & COMPANY INFORMATION

**Manufacturer:** Champion Brands, LLC  
1001 Golden Drive  
Clinton, MO 64735

**Telephone:** 1 (800) 821-5693

**Facsimile:** (660) 885-2867

**Transportation Emergency for immediate information about a chemical or to seek assistance from a manufacturer:** (+1) 800-424-9300

**Date Updated:** January 6, 2015

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component*	Approximate Composition	OSHA Permissible Exposure Limit**	NIOSH REL	ACGIH Threshold Limit Value	IDLH (NIOSH)
Propylene Glycol CAS 57-55-6	7 percent by weight	NA	NA	NA	NA
Glycerin CAS# 56-81-5	7 percent by weight	NA	NA	NA	NA
Additives CAS# NA	<.001 percent by weight	NA	NA	NA	NA
ETHANOL CAS# 64-17-5 UN 1770	<6 percent by weight	200 ppm (260 mg/m <sup>3</sup> ) 8-Hour TWA (Skin)	1000ppm TWA; 1900mg/m <sup>3</sup> TWA; 3300 ppm MIPLH	1000ppm TWA	NA
METHANOL CAS 67-56-1 UN 1230	<1 percent by weight	200 ppm (260 mg/m <sup>3</sup> ) 8-Hour TWA (Skin)	200 ppm (260 mg/m <sup>3</sup> ) 8-Hour TWA	200 ppm (260 mg/m <sup>3</sup> ) 8-Hour TWA	6,000 ppm (0.6 percent in air)
ETHYLENE GLYCOL BUTYL ETHER (BUTYL CELLOSOLVE) CAS 111-76-2	<1 percent by weight	25ppm (260 mg/m <sup>3</sup> ) 8-Hour TWA (Skin)	25ppm)	25ppm	NA

HMIS: HEALTH: 0    FLAMMABILITY: 1    REACTIVITY: 0    SPECIAL: NONE  
RATING SCALE: 0=MINIMAL    1=SLIGHT    2=MODERATE    3=SERIOUS    4=SEVERE

## SECTION 3 – HAZARDOUS IDENTIFICATION

Routes of Exposures: Eye Contact, Skin Contact, Inhalation, Ingestions

INGESTION: No significant adverse effects are expected under conditions of normal use. Repeated, prolonged exposure may cause slight flaking, tenderness and softening of the skin.

INHALATION: No significant adverse effects are expected under anticipated conditions of normal use. If effects do occur, refer to First Aid section.

EYE CONTACT: May cause minor eye irritation.

SKIN CONTACT: No significant adverse effects are expected under anticipated conditions of normal use. Prolonged or repeated contact without rinsing with water may cause irritation.

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### SECTION 4 – FIRST AID MEASURES

INGESTION: Do not give liquid if victim is unconscious or drowsy. If large quantity is swallowed, induce vomiting. Obtain emergency medical attention.

INHALATION: If exposed to excessive levels of vapors. Remove to fresh air. Give oxygen or artificial respiration as needed. Obtain emergency medical attention.

EYE CONTACT: Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. Get medical attention if pain, blinking, tears or redness persists.

SKIN CONTACT: Product is not expected to present a significant skin hazard under normal use.

### SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: 160°F

FLAMMABLE LIMITS: In air % by volume, LEL: 6% UEL: 36%

EXTINGUISHING MEDIA: Use of dry chemical, carbon dioxide, water spray, alcohol foam, fog spray.

SPECIAL FIRE FIGHTING PROCEDURES: Use fog or spray to prevent flooding. Be prepared to use MSHA-NIOSH self contained breathing apparatus and protecting clothing.

FIRE AND EXPLOSION HAZARDS: None known.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS: Eliminate all sources of ignition immediately. Mop up residue and rinse area thoroughly with water. Contain run-off with absorbent material such as sand or clay and diking. Transfer liquid and absorbent material in approved container. Flush and mop area with water allowing to air dry. Keep spill out of sewers and open bodies of water.

### SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS: Follow directions on label. Wash after handling and before eating.

STORAGE PRECAUTIONS: Store container upright. Tighten cap securely. Avoid heat, sparks, and flames. Protect container from physical damage. **KEEP AWAY FROM CHILDREN**

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**HYGIENIC PRACTICES:** Avoid breathing vapors. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Follow direction on label. Do not store near food stuffs, water or feed.

**SKIN PROTECTION:** Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure.

**EYE PROTECTION:** Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear pink liquid

**BOILING POINT:** 370°F

**ODOR:** None

**FREEZE POINT:** 9°F

**pH:** 8.2

**VAPOR PRESSURE** (mm of Hg) <.01 @20C (68F)

**SPECIFIC GRAVITY:** (water =1): 1.01

**VAPOR DENSITY** (Air =1): 2.6

**SOLUBILITY IN WATER:** 100%

**EVAPORATION RATE** (BuAc=1): Slight

## SECTION 10 – STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** HEAT, SPARKS, FLAMES. Strong alkalis, strong oxidizing agents.

**INCOMPATIBILITY:** Strong oxidizing agents such as nitrates and sulfuric acid.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning can product carbon monoxide and /or carbon dioxide.

**HAZARDOUS POLYMERIZATION:** will not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**SKIN:** The LD50 for skin absorption in rabbits is >10000 mg/kg

**Ingestion:** The oral LD50 for rats is 20000-34000 mg/kg

**MUTAGENICITY:** In vitro mutagenicity studies were negative. Animal mutagenicity studies were negative.

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## SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicology: Based largely or completely on information for similar material(s), i.e., propylene glycol. Material is practically non-toxic to aquatic organisms on acute bases (LC50 greater than 100 mg/L in most sensitive species).

Acute LC50 for fathead minnow is 4699-54900 mg/L

Acute LC50 for rainbow trout 44000 mg/L

ENVIRONMENTAL TOXICITY: This material is expected to be non- toxic to aquatic life.

## SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with federal, state and local regulations.

## SECTION 14 – TRANSPORT INFORMATION

(U.S. D.O.T.) – U.S. Department of Transportation:

PROPER SHIPPING NAME: Not Regulated

## SECTION 15 – REGULATORY INFORMATION

WHMIS classification for product is NA

This product has been classified in accordance with the hazard criteria for the CFR and MSDS contains all the information required by the CFR

## SECTION 16 – OTHER INFORMATION

Information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The condition or methods of handling, storage, use or disposal of the 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 the product. This MSDS was prepared and is to be used only for this product.