# CHAMPION INDUSTRIAL HYGIENE, TOXICOLOGY, AND MATERIAL SAFETY DATA SHEET

Note: No Representation is made as to the accuracy of the information herein. See page 7 for conditions under which data are furnished.

Trade Name: Champion Anti-Freeze Coolant

Manufacturer's Name: Champion Packaging, Inc.

Emergency Telephone Number: (914) 831-3400 ext. 204

Address: 1101 Lombard Road, Lombard, IL 60148

Chemical Name and/or Family or Description: Antifreeze

THIS PRODUCT IS CLASSIFIED AS:

\_\_\_\_\_ Carcinogenic by OSHA, IARC, or NTP X Not Carcinogenic

#### WARNING STATEMENT:

WARNING!!! HARMFUL OR FATAL IF SWALLOWED

KEEP OUT OF REACH OF CHILDREN MAY CAUSE IRRITATION TO EYES

## OCCUPATIONAL CONTROL PROCEDURES

Protective Equipment (Type)

Eyes: Chemical type goggles or face shield optional.

Skin: Exposed employees should exercise reasonable personal

cleanliness; this includes cleansing exposed skin areas several times daily with soap and water, and

laundering or dry cleaning soiled work clothing at

least weekly.

Inhalation: Supplied air positive-pressure full-facepiece

respirators in emergencies, cleaning spills, entry

into tanks, confined spaces.

Ventilation: Adequate to meet component permissible concentrations.

Permissible Concentrations:

Air: None established for product; see p. 4 for component permissible concentrations; for ethylene glycol; 50ppm ceiling (ACGIH 1986-87)

### EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with water for 15 minutes.

Skin: Wash exposed areas with soap and water.

Ingestion: Give large quantities of water, then induce vomiting

immediately. Get immediate medical attention. Do not make and unconscious person vomit. Never give anything

by mouth to an unconscious person.

Inhalation: Remove to fresh air; if not breathing apply artificial

respiration. Get medical attention. Keep affected

person warm and at rest.

Other Instructions: None.

DEC 2 7 1990

PHYSIOLOGICAL EFFECTS:		Code No. 02055		
Effects of Exposure				
Acute: Eyes:	Believed to cause slight eye :	irritation.		
Skin:	Believed to be slightly irritation upon prolonged contact.			
Respiratory System:	Drowsiness, narcosis, and uncopossible upon exposure to high poorly ventilated confined spa	n concentrations in		
Chronic:	Liver and kidney damage in 2	year rat feeding		
	study using 1-2% ethylene glyd Oral administration of very his ethylene glycol produced birth laboratory animals.	igh doses of		
Other:	See additional Comments p. 6.			
Sensitization Properties: Skin: Unknown Respiratory: Unknown				
Median Lethal Dose (LD 50 LC 50) (Species) OralAnimal data does not reflect human toxicity; See Add'l Cmnt P.6 InhalationN.D. DermalBelieved to be greater than 3 g/kg (rabbit); practicallynon-toxic OtherN.D. Irritation Index, Estimation of Irritation (Species) SkinBelieved to be 0.5-1.0/8.0 (rabbit); slightly irritating EyesBelieved to be 15-25/110 (rabbit); slightly irritating				
Symptoms of Exposure	See above and Additional Cor	aments p. 6		
FI	RE PROTECTION INFORMATION			
Products Evolved When	N.D. Flash Point *F. (Me Lower 3.2 Upper N.D. n Subjected to Heat or Combusti xide and carbon dioxide may be air supply.	ion:		
Recommended Fire Extinguishing Agents and Special Procedures:  According to the National Fire Protection Association Guide, use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire- exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.				
Unusual or Explosive None.	Hazards:			

## ENVIRONMENTAL PROTECTION

Code No. 02055

Waste Disposal Method: 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 Remarks for Waste Classification.)

Procedures in Case of Breakage or Leakage: (Transportation Spills Call CHEMTREC (800) 424-9300)

Avoid Contact with eyes. Contain spill of possible. Wipe up or absorb on suitable material and shovel up.

Remarks: Waste Classification: Product has been evaluated for RCRA characteristics and does not meet criteria of a hazardous waste if discarded in its purchased form.

## PRECAUTIONS

WARNING! HARMFUL OR FATAL IF SWALLOWED KEEP OUT OF REACH OF CHILDREN MAY CAUSE IRRITATION TO EYES

Do not drink antifreeze or solution.

Avoid contact with eyes.

Wash thoroughly after handling.

Do not store in open or unlabeled containers.

ETHYLENE GLYCOL BASE.

Ethylene glycol has produced birth defects in rodents.

Requirements for Transportation, Handling and Storage: Minimum feasible handling temperatures should be maintained.

Periods of exposure to high temperatures should be minimized.

Water contamination should be avoided.

DOT Proper Shipping Name: N.A. DOT Hazard Class (if applicable): N.A.

## CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point (°F): 388 Vapor Pressure: Less Than 0.1 (mmHg)

Specific Gravity: 1.13 (H20=1) Vapor Density: 2.14 (Air=1)

Appearance and Odor: Fluorescent green liquid; mild odor.

pH of undiluted product: 10.8 Solubility: Sol.

Percent Volatile by Volume: nil. Evaporation: Less than 1

Viscosity: 10 cP € 20 C

Hazardous Polymerizations: Do Not Occur

The Material Reacts Violently With: Strong Oxidizers

(See page 6 for further details)

COMPOSITION	DEC 2 7 1990	Code No. 02055
CAS No.	Exposure Limit	Range in %
107211		H 95.00 - 99.99
1303964	1mg/m3 TWA ACGIH 10mg/m3 TWA OSHA	1.00 - 3.99
	CAS No.	CAS No. Exposure Limit  107211 50 ppm Ceiling-ACGII 50ppm Ceiling-OSHA 1303964 lmg/m3 TWA ACGIH

\*Hazardous according to OSHA (1910.1200) or one or more state Right-To-Know lists.

## SARA TITLE III

- I. Title III Section 302/304 Extremely Hazardous Substance
  Component CAS No. % RQ (lbs) TPQ (lbs)
  NONE
- II. CERCLA Section 102(a) Hazardous Substance
  Component CAS No. % RQ (lbs)
  Trisodium orthophosphate 10101890 0.1-0.99 5000
- III. Title III Section 311 Hazard Categorization
  Acute Chronic Fire Pressure Reactive Not Applicable
  X X
- IV. Title III Section 313 Toxic Chemicals
  Component CAS No. %
  1,2-Ethanediol 107211 95-99.99

## PRODUCT SHIPPING LABEL

Code No. 02055

CHAMPION ANTI-FREEZE COOLANT

WARNING! HARMFUL OR FATAL IF SWALLOWED KEEP OUT OF REACH OF CHILDREN MAY CAUSE IRRITATION TO EYES

Do not drink antifreeze or solution.
Avoid contact with eyes.
Wash thoroughly after handling.
Do not store in open or unlabeled containers.
ETHYLENE GLYCOL BASE.
Ethylene glycol has produced birth defects in rodents.

If swallowed, INDUCE vomiting immediately.

Call a doctor. In case of contact flush eyes with plenty of water for at least fifteen minutes.

NEVER give anything by mouth to an unconscious person.

Chemical/Common Name	CAS No.	Range in %
*1,2-ethanediol	107211	95.00 - 99.99
*Borax	1303964	1.00 - 3.99

\*Hazardous according to OSHA (1910.1200) or one or more state Right-To-Know lists. Not classified as a hazardous material by DOT definition.

HMIS

Health: 1 Reactivity: 0
Flammability: 1 Special: -

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

HEALTH EMERGENCY TELEPHONE: (914) 831-3400 (EXT. 204)

STATE OF MICHIGAN CRITICAL MATERIALS ACT (REVISED 1989) No critical materials present.

Lethal dose (human) 1.0-1.5 g/kg. Symptoms of ingestion: Behavioral changes, Drowsiness, Vomiting, Diarrhea, Thirst, Convulsions, Cyanosis, Rapid Heart Rate, Pulmonary edema and renal failure. Acute or chronic oral consumption for products containing ethylene glycol can produce adverse health effects in humans. Such products should NOT be used in potable water systems or other systems where contamination of potable water supplies is possible. This product, when introduced into water systems will be degraded biologically in both surface waters and waste treatment plants, and would therefore present no aquatic toxicity.

WHMIS Classification: Class D, Div. 2, Subdiv. A, Materials Causing Other Toxic Effects - Very Toxic.