

MATERIAL SAFETY DATA SHEET

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1 Gal -100 Antifreeze Boiler

PRODUCT NAME: **1 Gal -100 Antifreeze Boiler**

NFPA CODES: Health 1
 Flammability 1
 Reactivity 0

Note - NFPA ratings are based on a 0-4 rating scale with 0 representing minimal hazards or risks and 4 representing extreme hazards or risks.

PRODUCT CODE: 30027

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: **Camco Manufacturing, Inc.**

ADDRESS : **121 Landmark Drive
Greensboro, NC 27409**

EMERGENCY PHONE : **1-800-535-5053** DATE REVISED : 10/21/2004

INFORMATION PHONE : 336-668-7661

NAME OF PREPARER : CAMCO MANUFACTURING INC.
 121 LANDMARK DR.
 GREENSBORO, NC 27409
 1-800-334-2004

===== SECTION II - COMPOSITION / INFORMATION ON MATERIALS=====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
Propylene Glycol	57-55-6	0.08 68 F	>65
Dipotassium Phosphate	7758-11-4	N/A	<5

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 212 - 370 F

VAPOR DENSITY: NOT DETERMINED

SOLUBILITY IN WATER: Completely Soluble

APPEARANCE AND ODOR: Clear, red liquid - slight odor

SPECIFIC GRAVITY (H2O=1): 1.04 – 1.05 @ 70° F

EVAPORATION RATE: NOT DETERMINED

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===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: > 218 F

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 2.6% UPPER: 12.5%

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or foam. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: No special equipment or procedures required.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

===== SECTION V - REACTIVITY DATA =====

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat and strong oxidizers.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide and other oxides of carbon.

HAZARDOUS POLYMERIZATION: Do not occur

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Not expected to have any adverse effects.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYE CONTACT: Slight irritant

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN ABSORPTION: No evidence of harmful effects from available information.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

INGESTION: No hazard identified from data found.

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HEALTH HAZARDS (ACUTE AND CHRONIC): None known.

CARCINOGENICITY: No

NTP CARCINOGEN: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None known

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Not expected to have any adverse effects.

EYE CONTACT: Flush with large quantities of water for 15 minutes.

SKIN: Remove contaminated clothing and wash contaminated skin with large amounts of soap and water. If irritation persists, get medical attention. Launder clothing before reuse.

INGESTION: Dilute by drinking water. Never give an unconscious person anything by mouth. Ingestion of small quantities, pose no hazardous threat. If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur. If large quantities are consumed, obtain medical attention.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spill if possible, contain with absorbent materials such as clay or soil, and shovel up. Avoid skin and eye contact.

WASTE DISPOSAL METHOD: Propylene Glycol has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. It should be disposed of in accordance with federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in a cool, dry, well ventilated area.

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OTHER PRECAUTIONS

Store in closed containers in a cool, dry, well ventilated area. Keep away from sparks and open flame.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

No special respiratory equipment is recommended under normal use.

VENTILATION: General ventilation is sufficient.

PROTECTIVE GLOVES: Wear appropriate impermeable gloves

EYE PROTECTION:

Use chemical safety glasses, goggles, or faceshields for eye protection.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: It is the responsibility of the user to determine the proper protective equipment that is needed based on how the product will be used.

WORK/HYGIENIC PRACTICES:

Wash thoroughly after handling.

===== SECTION IX - DISCLAIMER =====

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by Camco Manufacturing, Inc., to be accurate. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

The conditions or methods of handling, storage, use and 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. It is the responsibility of the user to determine the safety, toxicity and suitability of his own use, handling and disposal of this product.