

MATERIAL SAFETY DATA SHEET
ANTIFREEZE FOR RV & MARINE POTABLE WATER SYSTEMS
ARCTIC BAN -50 Antifreeze

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

FLASH POINT: 110° F (43° C)

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 3.3% UPPER: 21.0%

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: Self Contained breathing apparatus and protective clothing are recommended. Use water spray to keep fire exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

COMBUSTIBLE

===== SECTION VI - 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 VII - 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

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INGESTION: Effects of ethanol ingestion is dependant on the amount and rate of consumption. Short term overexposure may result in drunkenness, depression of the central nervous system, nausea, vomiting, diarrhea, or liver damage.

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

===== **SECTION VIII - 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: Dispose 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.

OTHER PRECAUTIONS

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

===== **SECTION IX - 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.

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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 X - EMERGENCY AND FIRST AID PROCEDURES =====

INHALATION: Not likely to have any adverse effects, however if breathing becomes difficult move to fresh air. If irritation persists, get medical attention.

EYE CONTACT: Flush with large quantities of water for 15 minutes and seek medical attention.

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, are not likely to pose a hazardous threat. Seek the advice of medical personnel as to whether or not to induce vomiting. If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur. If large quantities are consumed, obtain immediate medical attention.

=== SECTION XI - 49CFR (US) & TDG (Canadian) Transportation Information ===

US 49 CFR DOT & TDG section 1.17 Shipping Description:

NA1993
Combustible Liquids n.o.s. (Ethanol)
Class Combustible
Packing Group III

(not regulated for transportation in non bulk containers <119gallons)

===== SECTION XII - DISCLAIMER =====

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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

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