

MATERIAL SAFETY DATA SHEET

PRIDE500 ANTIFREEZE & SUMMER COOLANT

I. SUPPLIER: Coastline Chemical, Inc. 30470 Energy Dr. New Church, VA 23415
Phone Number: (757) 824-3831 Fax Number: (757) 824-5455

II. HAZARDOUS INGREDIENTS:

MATERIAL	CAS#	% BY WT.	PEL	(OSHA TLV (ACGIH))
Ethylene Glycol	107-21-1	45 - 50	none	known 50 ppm
Diethylene Glycol	111-46-6	0 - 5	none	known 50 ppm
Lowest known LD50 (oral)	107-21-1			5840 mg/kg (Rats)
Lowest known LD50 (skin)	107-21-1			9530 mg/kg (Rabbits)

HAZARDOUS RATING: Health(HMIS): 1 Flammability: 1 Reactivity: 0

THIS PRODUCT IS LISTED IN THE TSCA INVENTORY

III. PHYSICAL DATA:

BOILING RANGE:	171 - 175 C (339 - 348F)	API GRAVITY:	N/A
SPECIFIC GRAVITY:	1.08	POUNDS/GALLON:	9.0
VAPOR PRESSURE:	0.1(mm of Hg) @ 20C	VAPOR DENSITY:	2.1 air=1
WATER ABSORPTION:	Appreciable	ACID ABSORPTION:	Appreciable 85% H2SO4
DRY TIME (ETHER =1):	LONG	% VOLATILE BY VOLUME:	50.0
APPEARANCE:	GREEN	ODOR:	MILD
REFRACTIVE INDEX:	1.431		

IV. FIRE & EXPLOSION HAZARDOUS:

AUTO IGNITION TEMPERATURE: 750 F
FLASH POINT (TEST METHOD): 118 C/245 F (TCC) (Lowest Component)
LOWER FLAMMABLE LIMIT IN AIR (% by Volume): 1.5 (Lowest Component)
FLAMMABILITY CLASSIFICATION: CLASS IIB
FIRE EXTINGUISHING MEDIA: NFPA CLASS B Extinguishers For Class IIB LIQUID FIRE (DRY CHEMICAL, FOAM OR CARBON DIOXIDE-CO2)
SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective on fire, but can protect fire fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear - helmet with face shield, bunker coats, gloves & rubber boots. Use an NIOSH-Approved, positive-pressure, self-contained breathing apparatus. Keep container tightly closed. Isolate from oxidizers, heat & open flame.
UNUSUAL EXPLOSION & FIRE PROCEDURES: Closed containers may explode if exposed to extreme heat. Applying to hot surface requires special precautions. Empty container very hazardous! Follow all label precautions!

V. REACTIVITY DATA:

STABILITY: Stable
CONDITIONS TO VOID: Isolate from oxidizers, heat & open flame.
MATERIALS TO VOID: Isolate from strong oxidizers such as permanganates
Chromate's & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide from burning.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Material is not known to polymerize

VI. HEALTH HAZARD DATA:

THRESHOLD LIMIT VALUE: 50 PPM (Ceiling value)
PREVENTION TO OVEREXPOSURE: Avoid prolonged or repeated breathing of vapor spray or mist. Do not get in eyes, on skin or clothing. Do not take internally.
ORGANIC EFFECTS: Eye & skin.
CONTACT OF ACUTE OVEREXPOSURE: Primary irritation to skin, defatting, and dermatitis. Primary irritation to eyes, redness, tearing, blurred vision. Absorption through skin increases exposure.
SWALLOWING: Harmful or fatal if swallowed; swallowing may cause abdominal irritation, nausea, vomiting and diarrhea.

ORGANIC EFFECTS (EYE & SKIN CONTACT OF CHRONIC OVEREXPOSURE): Liquid causes eye irritation. Wash thoroughly after handling.
CANCER HAZARD: This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACCIH, as of this date, greater or equal to 0.1%.
EMERGENCY & FIRST AID PROCEDURES: In case of contact with skin, flush with plenty of water. For eyes, flush with plenty of water for 15 minutes and get medical attention immediately. After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. If swallowed, call a physician immediately; induce vomiting; promptly following physician's instructions or by having patients stick finger down throat. Never give anything by mouth to an unconscious person.

VII. SAFE HANDLING & USE PRECAUTIONS:

SPILL OR LEAK PROCEDURES: Small – mop up with absorbent material and transfer to hood.
Large – Isolate from oxidizers, heat and open flame. Persons without proper protection should be kept from area until cleaned up.

WASTE DISPOSAL METHOD: Small – Evaporate until all vapors are gone. Dispose of remainder by legally applicable methods.
Large – Recycle or incinerate, observing local, state and federal health, safety and pollution laws.

OTHER PRECAUTIONS: Store large amounts in structures made for OSHA class "other liquids". Avoid free fall for liquid ground containers when transferring. Do not flame cut, braze, or weld. Empty container very hazardous; Follow all label precautions.

VIII. CONTROL MEASURES:

RESPIRATORY PROTECTIONS: Ventilate to keep air below 50 ppm. If over TLV, in accordance with 29 CFR 1910.134, specific type, use a NIOSH-APPROVED, positive- pressure, self-contained breathing apparatus.

VENTILATION – LOCAL EXHAUST: Necessary

SPECIAL: None

MECHANICAL (GENERAL): Acceptable

OTHER: None

PROTECTIVE CLOTHING: Wear OSHA standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

IX. DOT TRANSPORTATION:

SHIPPING NAME: N/A **HAZARDOUS CLASS:** N/A **I.D. NUMBER:** N/A **MARKING:** N/A
LABEL: N/A **PLACARD:** N/A **HAZARDOUS SUBSTANCE/RQ:** N/A
SHIPPING DESCRIPTION: N/A

X. HAZARDOUS CLASSIFICATION:

This product meets the following hazard definition as defined by the occupational safety and health hazard communication standard (29 CFR section 1910.1200): Health hazard (SECTION VI)

XI. ADDITIONAL COMMENTS:

This product meets requirements of LA Rule 66 & similar regulations. This product does not appear in the California Health & Safety Code, Section 2549.5 ("Proposition 66" Listing of chemicals under the act.) This product contains the following chemical or chemicals subject to the reporting requirements of section 313 of title III of the superfund amendments and reauthorization act of 1986 and 40 CFR Part 372

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Dated: 1/1/2001