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NANCY PALOMO

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Blade Ice 300s

Page 1 MATERIAL SAFETY DATA SHEET (MSDS)

MSDS180 517 517

W89400

ITEM NUMBER: 517 - **Climate Cooling Lubricant**
VERSION 1 EFFECTIVE DATE: 5/26/00 SUPERCEDE DATE: 00/00/00 PREPARED BY: Ron Cepa
IDENTITY (As Used On Label and List):

EMERGENCY MEDICAL Telephone# 1-800-288-5635 X 009 (24 Hrs) Outside of the U.S.A. Call 651-632-9275

PRODUCT HAZARD RATINGS (HPPA): - Health = 1, Fire = 4, Reactivity = 1, Protective Equipment = 3
(Rating Legend) - 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal, * = Chronic

SECTION I

Climate Mfg
500 Vista
Addison

TELEPHONE NUMBER FOR INFORMATION:

DATE PRINTED: 1/24/03 NAME OF PREPARER: Ron Cepa

IL 60101

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Name	CAS #	OSHA Title III SEC 312	ACRIN TLV/TWA	OSHA PEL	% By Wt.
Ethyl alcohol	64-17-5	Yes	1000 ppm	1000 ppm	30-50
Liquefied petroleum gas mixture	See below	No	--	--	50-50
Dimethyl ether	115-10-6	--	NE	NE	--
Isobutane	75-28-5	--	NE	NE	--
Propane	74-98-6	--	NE	1000 ppm	--
1,1,1,2-Tetrafluoroethane	811-97-2	No	NE	NE	1-5

Balance of ingredients are non-hazardous or below reportable levels.

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig): 120 @ 130F Specific Gravity (H2O=1): <1
Solubility/Water: Slight Vapor Density (AIR=1): >1 Evaporation Rate (Ether=1): <1
Appearance and Odor: Aerosol spray with characteristic odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: Product is not required to be labeled as flammable as described in 16 CFR 1500.3 and 1500.65.
This product can be ignited.
Flashpoint: 40F (Propellant); 50-60F (Concentrate)
Flammable Limits - % Volume in Air (Propellant): LEL: 3.4 UEL: 8.0
Extinguishing Media: Carbon dioxide, water, foam or dry chemical.
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up.
Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.
Unusual Fire and Explosion Hazards: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protection clothing. At elevated temperatures (over 34C (129F)) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

SECTION V - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: NA
Incompatibility (Materials to Avoid): Oxygen, oxidizers, carbon dioxide, acetic acid.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Conditions to Avoid: Keep away from heat, sparks, and flames. Dropping of containers may cause bursting.

Block Ice

Page 2 Continuing SECTION V - REACTIVITY DATA

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SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry - Inhalation: X Eyes: X Skin: X Ingestion:
HAZARD IDENTIFICATION: EYES: May cause mild irritation. SKIN: May cause mild irritation. INHALATION: Irritating to eyes, nose and respiratory tract. INHALATION: Asphyxiant. Symptoms are dependent on rapidity of oxygen deficiency development and duration. Unconsciousness is immediate in sudden acute asphyxia. Slow development may cause rapid breathing, dizziness, incoordination, fatigue, and progress to nausea, vomiting, and possibly death. Can be fatal if swallowed.

CHRONIC EFFECTS/TARGET ORGANS: Liver, Lungs and/or respiratory system. Heart and/or circulatory system.
EMERGENCY AND FIRST AID PROCEDURES: EYES: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention. SKIN: Immediately flush with plenty of water for at least 15 minutes. Get prompt medical attention. INHALATION: Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration. INGESTION: Get immediate medical attention. Do NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

CARCINOGENICITY: No regulated ingredients.
TOXICITY INFORMATION: No data available.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Released or Spilled: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.
Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

Handling And Storing: Avoid breathing vapor. Keep away from heat, sparks and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 120F (48.9C). Store at Level 2 Approval (NFPA 308).

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

SECTION VIII - EMPLOYEE PROTECTION

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. 11), use a NIOSH approved respirator to prevent overexposure.
Ventilation: Local exhaust is adequate under normal conditions, mechanical ventilation is optional.
Protective Gloves: Wear chemical resistant gloves - consult glove manufacturer to determine the proper type for a specific operation.
Eye Protection: Safety glasses are recommended.
Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.
Work/Hygiene Practices: Ensure strict sanitary conditions are conformed to when working around chemicals.
Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

Section IX - Other Regulatory Controls

FEDERAL: Toxic Substance Control Act (TSCA): Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

Section X - Transportation (D.O.T. Classification)

Shipping Name: Consumer Commodity Hazard Class: ORM-D

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Black Ice

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Page 3 Continued SECTION VIII - EMPLOYEE PROTECTION

NG - Negligible NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.
EFFECTIVE DATE: 5/24/00 SUPERSEDE DATE: 00/00/00 PREPARED BY: Ron Cepe