

SECTION I - Material Identity

Item Name

Part Number/Trade Name SCOTCHMAN COOLANT

National Stock Number 6850PSCOTCHMAN

CAGE Code SCOTC

Part Number Indicator A

MSDS Number 186538

HAZ Code B

SECTION II - Manufacturer's Information

Manufacturer Name SCOTCHMAN (SYNTHETIC LUBRICANTS)

Street 180 E HIGHWAY 14

City PHILIP

State SD

Country US

Zip Code 57567

Emergency Phone 800-424-9300 CHEMTREC

Information Phone 616-754-1050

MSDS Preparer's Information

Date MSDS Prepared/Revised 01JUL97

Active Indicator N

Alternate Vendors

SECTION III - Physical/Chemical Characteristics

Hazard Storage Compatibility Code NR

NRC License Number NR

Net Propellant Weight (Ammo) NR

Appearance/Odor CLEAR LIQUID SLIGHT ODOR

Boiling Point 208 F

Melting Point NR

Vapor Pressure = WATER

Vapor Density ND

Specific Gravity 0.99

Decomposition Temperature NR

Evaporation Rate = WATER

Solubility in Water MISCIBLE

Percent Volatiles by Volume 6.5

Chemical pH 8.6

Corrosion Rate NR

Container Pressure Code 1

Temperature Code 4

Product State Code L

SECTION IV - Fire and Explosion Hazard Data

Flash Point Method NA

Lower Explosion Limit ND

Upper Explosion Limit ND

Extinguishing Media WATER BASED PRODUCT

Special Fire Fighting Procedures THIS PRODUCT WILL PRODUCE IRRITATING AND POTENTIALLY TOXIC FUMES CONTAINING OXIDES OF NITROGEN IF EXPOSED TO EXTREME HEAT IN AIR. IF FIRE, RESPIRATORY PROTECT

Unusual Fire/Explosion Hazards NR

SECTION V - Reactivity Data

Stability YES

Stability Conditions to Avoid STABLE UNDER NORMAL CONDITIONS AND IN FINAL USE CONCENTRATION

Materials to Avoid PRODUCT CONCENTRATE BEHAVES AS AN AQUEOUS SOLUTION. PRODUCT MAY BE DEGRADED BY EXPOSURE TO ACID MATERIALS

Hazardous Decomposition Products UNDER PROPER USE CONDITIONS. THIS PRODUCT IS A VERY DILUTE SOLUTION OF THE ACTIVE INGREDIENTS

Hazardous Polymerization NR

Polymerization Conditions to Avoid NR

SECTION VI - Health Hazard Data

Route of Entry: Skin YES

Route of Entry: Ingestion YES

Route of Entry: Inhalation YES

Health Hazards - Acute and Chronic [EYE] THE MIXTURE MAY CAUSE IRRITATION. EYE CONTACT SHOULD BE AVOIDED [SKIN] PROLONGED OR REPEATED EXPOSURE TO THE STOCK SOLUTION MAY CAUSE MILD SKIN IRRITATION IN SENSITIVE SKIN. [INGEST] THIS PRODUCT SHOULD NOT BE TAKEN INTERNALLY. LARGE QUANTITIES OF WATER AND SEEK MEDICAL ASSISTANCE

Carcinogenity: NTP NO

Carcinogenity: IARC NO

Carcinogenity: OSHA NO

Explanation of Carcinogenity NONE

Symptoms of Overexposure SEE ABOVE - ALSO [INHAL] VAPORS MAY BE RELEASED IF STOCK SOLUTION OF THIS PRODUCT, AS SUPPLIED, IS HEATED ABOVE ROOM TEMPERATURE. THE VAPORS MAY BE IRRITATING TO RESPIRATORY PASSAGES AND SHOULD BE AVOIDED

Medical Cond. Aggrevated by Exposure NR

Emergency/First Aid Procedures [EYE] IRRIGATE WITH FLOWING WATER IMMEDIATELY FOR AT LEAST 15 MIN. CONSULT MEDICAL ATTEN.[SKIN] WASH OFF STOCK SOLUTION RESIDUES IN RUNNING WATER. REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE RE-USE. [INGEST] IF THE VICTIM HAS INGESTED THE STOCK SOLUTION, ADMINISTER LARGE AMOUNTS OF WATER AND CONSIDER MEDICAL TREATMENT. [INHAL] IF EFFECTS OCCUR, REMOVE TO FRESH AIR. CONSULT MEDICAL. AUTHORITIES

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled DILUTE SMALL SPILLS WITH QUANTITIES OF WATER AND DISCARD TO THE SANITARY SEWER. THIS PRODUCT CONTAINS TRACE AMOUNT OF RESIDUAL ALKONOLMINES. LARGE SPILL, CONTAIN WITH ABSORBENT MATERIALS AND INSTITUTE CLEAN UP EFFORTS TO RECOVER THE SPILLED LIQUID OUTLINED IN FACILITY CONTROL PLAN

Neutralizing Agent NR

Waste Disposal Method FOLLOW LOCAL, STATE, FEDERAL REGULATIONS

Handling and Storage Precautions DO NOT STORE THE STOCK SOLUTION UNDER FREEZING CONDITIONS. STORE DRUMS IN A DRY PLACE IN A TEMPERATURE RANG OF 40 TO 100 F

Other Precautions NR

SECTION VIII - Control Measures

Respiratory Protection NONE

Ventilation GENERAL

Protective Gloves UNDER NORMAL USE NONE SHOULD BE NEEDED

Eye Protection APPROPRIATE

Other Protective Equipment NR

Work Hygenic Practices NR

Supplemental Health/Safety Data NR

SECTION IX - Label Data

Protect Eye	YES
Protect Skin	YES
Protect Respiratory	YES
Chronic Indicator	NO
Contact Code	SLIGHT
Fire Code	UNKNOWN
Health Code	UNKNOWN
React Code	UNKNOWN
Specific Hazard and Precaution	NO TARGET ORGANS LISTED FOR CHRONIC EXPOSURE

SECTION X - Transportation Data

Container Quantity	1
Unit of Measure	GL

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G) .53

Volatile Organic Compounds (G/L) 63.5146

SECTION XII - Ingredients/Identity Information

Ingredient # 01

Ingredient Name PROPRIETARY MIXTURE

Proprietary NO

Percent 0