GAS LINE ANTIFREEZE Material Safety Data Sheet

SECTION I - Material Identity

Item Name                                      HA55120 - HEET GAS LINE ANTIFREEZE
Part Number/Trade Name                        HA55120

National Stock Number                        6850PHA55120
CAGE Code                                     2M612
Part Number Indicator                        A
MSDS Number                                   186964
HAZ Code                                      B

SECTION II - Manufacturer's Information

Manufacturer Name                             GOLD EAGLE CO
Street                                         4400 S. KILDARE BLVD
City                                           CHICAGO
State                                          IL
Country                                        US
Zip Code                                       60632-4372
Emergency Phone                                800-424-9300 CHEMTREC
Information Phone                              773-376-4400

MSDS Preparer's Information

Date MSDS Prepared/Revised                    27OCT97
Date of Technical Review                      14NOV94
Active Indicator                              Y

Alternate Vendors
SECTION III - Physical/Chemical Characteristics

Appearance/Odor                      YELLOW LIQUID, SOLVENT ODOR
Boiling Point                        148 F (65C)
Melting Point                        NR
Vapor Pressure                       97
Vapor Density                        1.1
Specific Gravity                     0.795
Decomposition Temperature            N/K
Evaporation Rate                     NR
Solubility in Water                  SOLUBLE
Chemical pH                          NA
Corrosion Rate                       NR
Container Pressure Code              1
Temperature Code                     4
Product State Code                   L

SECTION IV - Fire and Explosion Hazard Data

Flash Point                          52
Flash Point Method                   TCC
Lower Explosion Limit                6.0
Upper Explosion Limit                36.5
Extinguishing Media                  USE HALON REPLACEMENT OR CARBON DIOXIDE EXTINGUISHERS OR ALCOHOL FOAM FOR SMALL FIRES. WATER SPRAY OR FOG CAN COOL FIRE BUT MAY NOT BE EFFECTIVE IN EXTINGUISHING FIRE. LARGE FIRES SHOULD BE EXTINGUISHED WITH ALCOHOL FOAM. USE WATER SPRAY TO COOL CONTAINERS EXPOSED TO FIRE. CONTAINERS MAY EXPLODE IN HEAT OR FIRE

Special Fire Fighting Procedures     USE NIOSH APPROVED SCBA RESPIRATOR IN THE POSITIVE PRESSURE MODE AND CHEMICAL PROTECTIVE CLOTHING SPECIFICALLY RECOMMENDED FOR METHANOL

Unusual Fire/Explosion Hazards       DANGEROUS FIRE AND EXPLOSION HAZARD WHEN EXPOSED TO HEAT OR FLAME. METHANOL IS EXTREMELY FLAMMABLE AND FORMS EXPLOSIVE MIXTURES WITH AIR. METHANOL VAPORS MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK

SECTION V - Reactivity Data

Stability                             YES
Stability Conditions to Avoid         STORE IN A WELL VENTILATED PLACE AWAY FROM SOURCES OF IGNITION, COMBUSTIBLES, OXIDIZING MATERIALS AND ACID

Materials to Avoid                    STRONG OXIDIZING AGENTS, ALUMINUM, ZINC, OR METALS THAT DISPLACE HYDROGEN, RUBBER AND RUBBER
BASED COATINGS, CHROMIC ANHYDRIDE, LEAD PERCHLORATE AND PERCHLORIC ACIDS

Hazardous Decomposition Products
EXCESSIVE HEATING AND OR INCOMPLETE COMBUSTION WILL PRODUCE CARBON MONOXIDE AND TOXIC VAPORS SUCH AS FORMALDEHYDE

Hazardous Polymerization
NO

Polymerization Conditions to Avoid
NR

LD50 - LD50 Mixture
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
DERMATITIS, POSSIBLE SYSTEMIC EFFECTS, IRRITANT

Carcinogenity: NTP
N/P

Carcinogenity: IARC
N/P

Carcinogenity: OSHA
N/P

Explanation of Carcinogenity
NONE

Symptoms of Overexposure

Medical Cond. Aggravated by Exposure
NONE SPECIFIED BY MANUFACTURER

Emergency/First Aid Procedures
[EYE] IMMEDIATELY WASH THE EYES WITH LARGE QUANTITIES OF ROOM TEMPERATURE WATER FOR AT LEAST 15 MIN. OCCASIONALLY LIFT LIDS. GET MED ATTENTION.

[Skin] PROMPTLY WASH THE CONTAMINATED SKIN WITH SOAP AND WATER FOR AT LEAST 15 MIN. PROMPTLY REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. SYSTEMIC EFFECTS MAY BE DELAYED 18 - 72. KEEP PERSON UNDER OBSERVATION.

[INGEST] IF THIS PRODUCT IS INGESTED AND THE PERSON IS CONSCIOUS, INDUCE VOMITING, THEN GIVE 2 TEASPOONS OF BAKING SODA IN A GLASS OF WATER. GET MED ATTN.

[INHAL] MOVE THE EXPOSED PERSON TO FRESH AIR AT ONCE AND CALL EMERGENCY MED CARE

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled
[SMALL] REMOVE SOURCES OF HEAT OR IGNITION, PROVIDE ADEQUATE VENTILATION. CONTAIN LEAK USING ABSORBENT, INERT, NON-COMBUSTIBLE MATERIAL.
[LARGE] CONTAIN SPILL, TRANSFER TO SECURE CONTAINER. IN THE EVENT OF UNCONTROLLED MATERIAL RELEASE, THE USER SHOULD DETERMINE IF RELEASE IS REPORTABLE UNDER APPLICABLE LAWS AND REGULATIONS.

Neutralizing Agent                      NR
Waste Disposal Method                  DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. BEFORE ATTEMPTING CLEAN UP, REFER TO OTHER SECTIONS OF MSDS FOR HAZARD CAUTION INFORMATION
Handling and Storage Precautions       PRODUCT IS FLAMMABLE, KEEP AWAY FROM SOURCES OF IGNITION, COMBUSTIBLES, OXIDIZING MATERIALS AND ACIDS. STORE IN AN AREA EQUIPPED WITH AUTOMATIC SPRINKLERS OR FIRE EXTINGUISHING SYSTEM. EMPTY CONTAINERS CONTAIN PRODUCT RESIDUES, ASSUME EMTIED CONTAINERS TO HAVE SAME HAZARDS AS FULL CONTAINERS
Other Precautions                      NR

SECTION VIII - Control Measures

Respiratory Protection                  DO NOT USE AIR PURIFYING RESPIRATOR. USE APPROPRIATE NIOSH APPROVED SUPPLIED OR SCBA. RESPIRATORS MUST BE SELECTED BASED ON THE AIRBORNE LEVELS FOUND IN THE WORKPLACE AND MUST NOT EXCEED THE WORKING LIMITS OF THE RESPIRATOR
Ventilation                           PROVIDE PROPERLY ENGINEERED VENTILATION TO MAINTAIN METHANOL VAPORS BELOW NIOSH PEL
Protective Gloves                     SOLVENT RESISTANT GLOVES
Eye Protection                        SPLASH PROOF SAFETY GOGGLES
Other Protective Equipment            CHEMICAL RESISTANT APRON OR CLOTHING AS NEEDED
Work Hygenic Practices                STANDARD PERSONAL HYGIENE
Supplemental Health/Safety Data       NONE SPECIFIED BY MANUFACTURER

SECTION IX - Label Data

Protect Eye                           YES
Protect Skin                          YES
Protect Respiratory                   YES
Chronic Indicator                     YES
Contact Code                          SLIGHT
Fire Code                             UNKNOWN
Health Code                           UNKNOWN
React Code                            UNKNOWN
Specific Hazard and Precaution        TARGET ORGANS: CENTRAL NERVOUS SYSTEM
SECTION X - Transportation Data

Container Quantity                      12
Unit of Measure                          OZF

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)        6.63
Volatile Organic Compounds (G/L)        794.5315

SECTION XII - Ingredients/Identity Information

Ingredient #                            02
Ingredient Name                        PROPRIETARY ADDITIVE
CAS Number                             1002
Proprietary                            YES
Percent                                1
OSHA PEL                                NR
ACGIH TLV                               NR

Ingredient #                            1
Ingredient Name                        METHANOL
CAS Number                             67561
Proprietary                            NO
Percent                                99
OSHA PEL                                200 PPM
ACGIH TLV                               200 PPM

Zen Backpacking Stoves