

GAS LINE ANTIFREEZE Material Safety Data Sheet

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SECTION I - Material Identity

Item Name	
Part Number/Trade Name	HA55120 - HEET GAS LINE
ANTIFREEZE	
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 EXPLSION 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 [EYE] MILD IRRITANT [SKIN]
PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS, SCALING
AND POSSIBLE SYSTEMIC EFFECTS [INGEST] POISON - ORAL HUMAN LOWEST
LETHAL DOSE IS 6.4 G/KG [INHAL] POISONOUS, NARCOTIC CHEMICAL
AFFECTING CENTRAL NERVOUS SYSTEM RESULTING IN DIZZINESS, NAUSEA,
VISUAL IMPAIRMENT, NARCOSIS AND MUSCULAR IMPAIRMENT

Medical Cond. Aggrevated 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 ATTEN.
[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 EMPTIED 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 Hygienic Practices	STANDARD PERSONAL HYGIENE
Supplemental Health/Safety Data MANUFACTURER	NONE SPECIFIED BY

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 NERVOUS SYSTEM	TARGET ORGANS: CENTRAL

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