

Material Safety Data Sheet

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SECTION I - Material Identity

Item Name..... HA55120 - HEET GAS LINE ANTIFREEZE
 Part Number/Trade Name..... HA55120 - HEET GAS LINE ANTIFREEZE
 National Stock Number..... 6850PHA55120
 CAGE Code..... 2M612
 Part Number Indicator..... A
 MSDS Number..... 196362
 HAZ Code..... D

SECTION II - Manufacturer's Information

Manufacturer Name..... GOLD EAGLE COMPANY
 Street..... 4400 S. KILDARE BOULEVARD
 City..... CHICAGO
 State..... IL
 Country..... US
 Zip Code..... 60632-4372
 Information Phone..... 773-376-4400

MSDS Preparer's Information

Date MSDS Prepared/Revised..... 17JUL03
 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
 Vapor Pressure..... 97
 Vapor Density..... 1.1
 Specific Gravity..... 0.795
 Solubility in Water..... SOLUBLE
 Percent Volatiles by Volume..... 100
 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.....	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).....	6.5676
volatile Organic Compounds (G/L).....	787.0535

SECTION XII - Ingredients/Identity Information

Ingredient #..... 01
Ingredient Name..... METHANOL
CAS Number..... 67561
Proprietary..... NO
Percent..... 99
OSHA PEL..... 200 PPM
ACGIH TLV..... 200 PPM
Ingredient #..... 02
Ingredient Name..... PROPRIETARY ADDITIVE
CAS Number..... 1002
Proprietary..... YES
Percent..... 1
OSHA PEL..... NR
ACGIH TLV..... NR

NOTICE: For additional information, contact BIOENVIRONMENTAL

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