

# Material Safety Data Sheet

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## SECTION I - Material Identity

Item Name	
Part Number/Trade Name	HA55360 - ISO-HEET
National Stock Number	6850PISO-HEET
CAGE Code	2M612
Part Number Indicator	A
MSDS Number	186965
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	N

## Alternate Vendors

## SECTION III - Physical/Chemical Characteristics

Appearance/Odor	WATER WHITE LIQUID, SOLVENT ODOR
Boiling Point	180 F
Melting Point	NR
Vapor Pressure	33
Vapor Density	> 1.0
Specific Gravity	0.787
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

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## SECTION IV - Fire and Explosion Hazard Data

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Flash Point	54
Flash Point Method	TOC
Lower Explosion Limit	2.0
Upper Explosion Limit	12.0
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. ISOPROPANOL IS EXTREMELY FLAMMABLE AND FORMS EXPLOSIVE MIXTURES WITH AIR. ISOPROPANOL VAPORS MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK

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## SECTION V - Reactivity Data

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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, AMINES, CHLORINATED COMPOUNDS AND CAUSTIC MATERIALS
Hazardous Decomposition Products	EXCESSIVE HEATING AND OR INCOMPLETE COMBUSTION WILL PRODUCE CARBON MONOXIDE
Hazardous Polymerization	NO
Polymerization Conditions to Avoid	NR
LD50 - LD50 Mixture	NR

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## 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	IRRITANT, DERMATITIS, SYSTEMIC EFFECTS
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. 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 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 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)	6.56
Volatile Organic Compounds (G/L)	786.1428

## SECTION XII - Ingredients/Identity Information

Ingredient #	01
Ingredient Name	ISOPROPANOL
CAS Number	67630
Proprietary	NO
Percent	99
OSHA PEL	400 PPM
ACGIH TLV	400 PPM
Ingredient #	02
Ingredient Name	PROPRIETARY ADDITIVE

Proprietary	YES
Percent	1
OSHA PEL	NR
ACGIH TLV	NR

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