

MATERIAL SAFETY DATA SHEET

SECTION 1 - MANUFACTURER INFORMATION

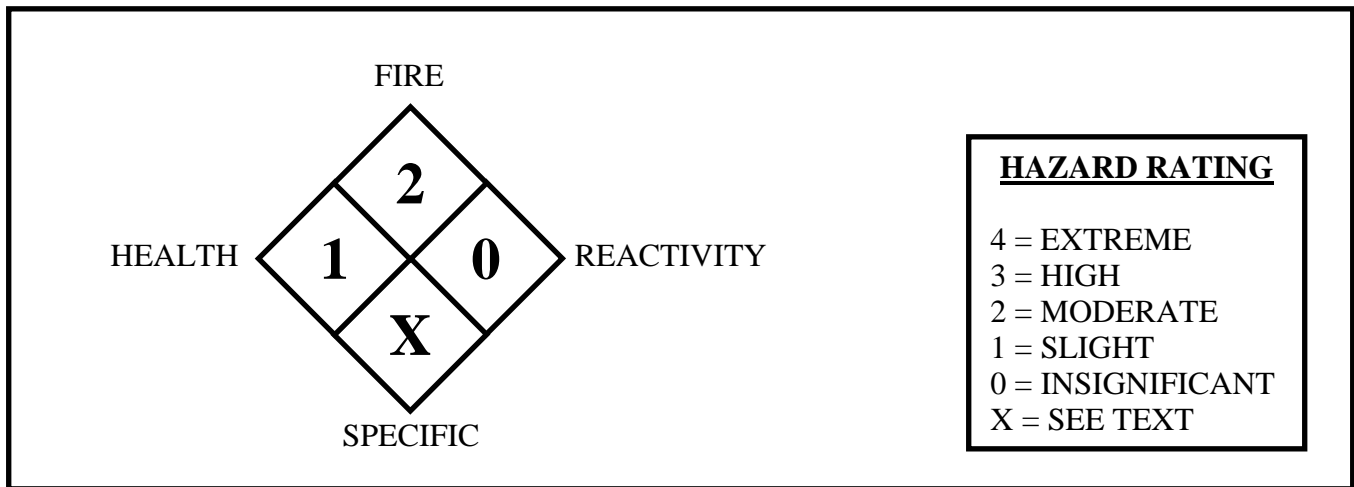
MANUF / DIST: DETAILS MANUFACTURING & DISTRIBUTING
814 SOUTH DUFF AVE
AMES, IOWA 50010

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PHONE 515-233-6555

MEDICAL/CHEMICAL EMERGENCY 24 HOURS INFOTRAC 800-535-5053

TRADE NAME / SYNONYMS. . . : GOLD FINISH
CHEMICAL NAME / SYNONYMS: NOT APPLICABLE
CHEMICAL FAMILY. : NOT APPLICABLE
FORMULA. : ME-164 V-1
PRODUCT CODE. : GF1,Q

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM:



SECTION 2 - HAZARDOUS INGREDIENTS

NAMES OF HAZARDOUS INGREDIENTS: See CFR29§1910.1200 (i)-(13)

CHEMICAL / COMMON NAME	CAS#	PERCENTAGE	PEL-OSHA	TLV-ACGIH
Aliphatic Hydrocarbon	8052-41-3	>1	100 ppm	100 ppm
Morpholine	110-91-8	>1	20 ppm	20 ppm

THIS PRODUCT DOES **NOT** CONTAIN CARCINOGENS: (NTP, IARC, OSHA):

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute and Chronic):

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***Acute*:**

- a) Eyes - Irritation and redness.
- b) Skin - Irritation, defatting, and redness.
- c) Inhalation - Excessive inhalation of vapors may cause dizziness.
- d) Ingestion - Can cause gastro-intestinal irritation, nausea, vomiting and diarrhea.

Chronic

NONE KNOWN

PRIMARY ROUTES OF ENTRY:

- a) Skin
- b) Inhalation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

EMERGENCY FIRST AID PROCEDURES:

- a) Skin - Immediately flush skin with lots of running water for at least 30 minutes. Remove contaminated clothing and shoes. Wash before reuse.
- b) Eyes - Flush immediately with large quantities of running water for at least 15 minutes. Consult Physician.
- c) Inhalation - If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
- d) Ingestion - Do not induce vomiting. Call physician immediately. If conscious give lots of water or milk to dilute. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F) : N/A	SPECIFIC GRAVITY (WATER=1) : 0.948
VAPOR PRESSURE (mmHg) : N/D	PERCENT VOLATILE BY VOLUME (%) . . . : 82-83
VAPOR DENSITY (AIR=1) : >1	EVAPORATION RATE (ButylAcetate=1) . : <1
SOLUBILITY IN WATER: : 100%	pH. : 8.8 - 9.2

APPEARANCE AND ODOR INFORMATION: Viscous Gold Color liquid with a solventish odor.

SECTION 5 - FIRE + PHYSICAL HAZARD DATA

FLASH POINT (Method Used): 126°F TAG C.C. FLAMMABLE LIMITS: LEL- N/A UEL-N/A

EXTINGUISHING MEDIA: N/A

Product is not a fire hazard, but residue can burn after water evaporates. In case of fire, water spray, carbon dioxide, alcohol type foam applied. Keep containers

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cool with water spray using fog nozzles.

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

INCOMPATIBILITY (Material To Avoid):

Avoid contact with strong oxidizing agents such as chlorine, permanganate, etc.

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce oxides of carbon and traces of hydrocarbons.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

THIS PRODUCT IS STABLE.

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Absorb the spill on suitable absorbant and collect for disposal.

WASTE DISPOSAL METHODS:

Contaminated absorbant may be disposed of according to local, state and federal regulations for petroleum distillates.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION:

LOCAL EXHAUST: Below TLV(s)

MECHANICAL (General) : Explosion Proof

SPECIAL: N/A

OTHER: N/A

RESPIRATORY PROTECTION:

An appropriate NIOSH approved hydrocarbon canister or respirator for organic vapor should be worn if needed.

PROTECTIVE GLOVES:

Wear - resistant gloves such as nitrile rubber, PVC, etc.

OTHER PROTECTIVE EQUIPMENT:

To prevent repeated and prolonged skin contact, wear impervious clothing and boots.

OTHER ENGINEERING CONTROLS:

Eye wash and quick drench facilities.

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WORK PRACTICES:

Eye wash fountain and safety shower should be accessible. Discard properly such items as rags and trash soaked with the product. Provide adequate ventilation.

HYGIENIC PRACTICES:

Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing promptly and wash thoroughly before reused.

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- a) Do not store under freezing conditions or above 120 degrees F.
- b) Protect from physical damage and keep tightly closed.

MAINTENANCE PRECAUTIONS:

When working with FLAMMABLE material electrically ground all equipment and use only non-sparking tools.

OTHER PRECAUTIONS: containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings.

SHIPPING INFO, UN/NA #'s, Secondary container label INFO NECESSARY OR SUGGESTED:

KEEP OUT OF THE REACH OF CHILDREN !

COMBUSTIBLE LIQUID, NA1993, PG GP III, NO LABELS REQUIRED