

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FIELD MARKING PAINT
 PRODUCT CODE: 944-2

HMS CODES: H F R P
 1 0 0 B

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: O'Leary Paint Company
 ADDRESS: 415 BAKER ST., LANSING, MI 48910
 EMERGENCY PHONE: 800-424-9300 INFORMATION PHONE: (517) 482-0473
 DATE REVISED : 07-06-05 NAME OF PREPARER : SCOTT BOWER

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

| HAZARDOUS COMPONENTS | CAS NUMBER | OCCUPATIONAL EXPOSURE LIMITS | | | VAPOR PRESSURE mm Hg @ TEMP | WEIGHT PERCENT |
|----------------------|------------|------------------------------|-----------|-------|--------------------------------|-------------------|
| | | OSHA PEL | ACGIH TLV | OTHER | | |
| *ETHYLENE GLYCOL | 107-21-1 | 50 ppm | 100 mg/m3 | | 0.1 68F | 2 |
| TITANIUM DIOXIDE | 13463-67-7 | 15 mg/M3 | 10 mg/M3 | | N/A | 10 |
| CALCINED KAOLIN | 66402-68-4 | 15 mg/M3 | 2 mg/M3 | | N/A | 15 |
| CALCIUM CARBONATE | 1317-65-3 | 15 mg/M3 | 10 mg/M3 | | N/A | 15 |

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING POINT: 379 TO 400 F SPECIFIC GRAVITY (H2O=1): 1.3
 VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
 COATING V.O.C. : 0.74 LB/GL (88 G/L)
 SOLUBILITY IN WATER: INFINITE
 APPEARANCE AND ODOR: WHITE OPAQUE LIQUID & SLIGHTLY SWEET ODOR.

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: N/A METHOD USED: N/A
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 3.2% UPPER: 15.3%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

SUMMON PROFESSIONAL FIREFIGHTERS. USE FULL PROTECTIVE EQUIPMENT INCLUDING SELFCONTAINED BREATHING APPARATUS. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER SHOULD BE USED TO COOL CONTAINERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

DUE TO PRESSURE BUILD-UP, CLOSED CONTAINERS EXPOSED TO EXTREME HEAT MAY EXPLODE. DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

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SECTION V - REACTIVITY DATA
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STABILITY: STABLE
CONDITIONS TO AVOID
KEEP FROM FREEZING.

INCOMPATIBILITY (MATERIALS TO AVOID)
N/A

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
MAY CAUSE HAZARDOUS FUMES WHEN HEATED TO DECOMPOSITION.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
N/A

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SECTION VI - HEALTH HAZARD DATA
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INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT; HEADACHES, NAUSEA, DIZZINESS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
MAY CAUSE SKIN AND EYE IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
DRYNESS, ITCHING, CRACKING, BURNING, REDNESS, AND SWELLING ARE ASSOCIATED WITH EXCESSIVE SKIN CONTACT.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

HEALTH HAZARDS (ACUTE AND CHRONIC)
THIS PRODUCT CONTAINS ETHYLENE GLYCOL. OVEREXPOSURE TO THIS MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS; LIVER ABNORMALITIES, KIDNEY DAMAGE, CENTRAL NERVOUS SYSTEM EFFECTS.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO
N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
N/A

EMERGENCY AND FIRST AID PROCEDURES
INHALATION: REMOVE TO FRESH AIR. EYES: IN CASE OF EYE CONTACT, FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
SKIN: REMOVE WITH SOAP AND WATER, REMOVE SOILED CLOTHING. INGESTION: DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN IMMEDIATELY. HAVE MATERIAL SAFETY DATA SHEET INFORMATION AVAILABLE.

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

PROVIDE MAXIMUM VENTILATION. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL WITH SAWDUST, VERMICULITE, OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR PROPER DISPOSAL. WASH WITH WATER.

WASTE DISPOSAL METHOD

WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED MANAGEMENT FACILITY.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE BELOW 110°F. KEEP FROM FREEZING. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

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SECTION VIII - CONTROL MEASURES
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RESPIRATORY PROTECTION

DO NOT BREATHE SPRAY MIST, OR SANDING DUST. WHEN USED IN RESTRICTED VENTILATION AREAS, WEAR NIOSH/MSHA APPROVED AIR SUPPLY RESPIRATOR OR HOOD.

VENTILATION

USE WITH ADEQUATE VENTILATION. PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP AIR CONTAMINANT CONCENTRATION BELOW CURRENT APPLICABLE SAFETY STANDARDS IN APPLICATION AND CURING AREAS.

PROTECTIVE GLOVES

GLOVES CONSTRUCTED OF: POLYVINYL ALCOHOL, NEOPRENE RUBBER, OR LATEX RUBBER.

EYE PROTECTION

DO NOT GET IN EYES. SAFETY EYE WEAR WITH SPLASH GUARDS OR SIDESHIELD IS RECOMMENDED TO PREVENT CONTACT.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NOT REQUIRED.

WORK/HYGIENIC PRACTICES

REMOVE AND WASH SOILED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING, SMOKING OR USING THE WASHROOM.

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SECTION IX - DISCLAIMER
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DISCLAIMER

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA BELIEVED BY O'LEARY PAINT CO. TO BE ACCURATE, BUT WE DO NOT ASSUME ANY LIABILITY FOR THE ACCURACY OF THIS INFORMATION. WE NEITHER SUGGEST NOR GUARANTEE THAT ANY HAZARDS MENTIONED ARE THE ONLY ONES WHICH EXIST.