

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label) YUMARK FM-150	DATE February, 2005
MANUFACTURER'S NAME YUMA INDUSTRIES INCORPORATED	EMERGENCY PHONE # YUMA 317-398-9862 CHEMTREC 800-424-9300
ADDRESS (Number, Street, City, State, & Zip Code) 783 W. Mausoleum Road, Shelbyville, IN 46176 – 9720	
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZ. CLASS, HAZ. ID # None	
ADDITIONAL HAZARD CLASSES (as applicable) None	
CHEMICAL FAMILY Forming Oil	FORMULA See Section II

SECTION II – INGREDIENTS

CAS REGISTRY#	Wt. %	CHEMICAL NAME	Listed as a carcinogen in NTP, IARC, or OSHA 1910 (specify)
64741-89-5	60-95	Petroleum lubricating oil base stock	Not listed
64742-46-7		OSHA(PEL): TWA=5mg/m ³ for oil mist in air	
64742-52-5		ACGIH(TLV): TWA=5mg/m ³ for oil mist in air	
64742-53-6			
64742-54-7			
64742-57-0			
Balance classified as Non-hazardous Ingredients			

SECTION III – PHYSICAL DATA

BOILING POINT Not available	SPECIFIC GRAVITY (H ₂ O=1) @ 15°C 0.92	ODOR THRESHOLD (ppm) Not available
VAPOR PRESSURE Not available	PERCENT VOLATILE (Vol.%) Not available	PERCENT SOLID (Wt.%) Not available
VAPOR DENSITY Not available	EVAPORATION RATE Not available	FREEZING POINT (°C) Not available
SOLUBILITY IN WATER Negligible	pH Not applicable	MATERIAL IS Liquid
APPEARANCE & ODOR Dark Red with oily odor	VOLATILE ORGANIC COMPOUNDS (VOC) Not available	

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 148 °C	METHOD USED C.O.C.	FLAMMABLE LIMITS LEL/UEL Not available	AUTO-IGNITION TEMPERATURE (°C) Not available
EXTINGUISHING MEDIA Carbon dioxide, dry chemical, foam, or water fog. Do not use a direct stream of water			
SPECIAL FIRE FIGHTING PROCEDURES Wear self- contained breathing apparatus. (NIOSH approved)			
UNUSUAL FIRE AND EXPLOSION HAZARDS Container exposed to intense heat from fires should be cooled with water to prevent vapor pressure build up could result in container rupture.			

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II		
EFFECTS OF OVEREXPOSURE – conditions to avoid Contains petroleum oils. Harmful if swallowed. Avoid inhalation of the oil mist. Avoid eye contact and prolonged skin contact – may cause irritation.		
PRIMARY ROUTES OF ENTRY	Inhalation: Skin Contact: X	Eye Contact: Ingestion:
EMERGENCY AND FIRST AID PROCEDURES EYES: Flush with water for 15 minutes while holding eyelids open. SKIN: Wash with soap and water. INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. INGESTION: Do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs In every case get medical attention as required.		

SECTION VI – REACTIVITY DATA

STABILITY: UNSTABLE: STABLE : X	HAZARDOUS POLYMERIZATION	MAY OCCUR: WILL NOT OCCUR: X
CONDITIONS TO AVOID None		
INCOMPATIBILITY (MATERIALS TO AVOID) Avoid strong oxidizing agents and strong acids.		
HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide and unidentified organic compounds may form during combustion.		

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Take up with an absorbent material and place in non – leaking containers for proper disposal.
WASTE DISPOSAL METHOD Dispose with typical oil waste, in accordance with local, state and federal regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Not normally required, use NIOSH approved respirator if necessary to comply with TLV levels.	
VENTILATION Local exhaust (Specify rate): Not normally required. Special: None Mechanical (general) (Specify rate): General room ventilation should be sufficient. Other: None	
PROTECTIVE GLOVES (Specify type) Solvent resistant if desired.	EYE PROTECTION (Specify type) Safety glasses
OTHER PROTECTIVE EQUIPMENT Chemical resistant apron if desired.	

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep away from fire and open flame. Keep the container tightly closed and store in a cool place.
OTHER PRECAUTIONS None