

## MATERIAL SAFETY DATA SHEET

### SECTION I

<b>PRODUCT NAME OR NUMBER (as it appears on label)</b> YUMAN SF-45F	<b>DATE</b> October, 2002
<b>MANUFACTURER'S NAME</b> YUMA INDUSTRIES INCORPORATED	<b>EMERGENCY PHONE #</b> YUMA 317-398-9862 CHEMTREC 800-424-9300
<b>ADDRESS (Number, Street, City, State, &amp; Zip Code)</b> 783 W. Mausoleum Road, Shelbyville, IN 46176 – 9720	
<b>HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZ. CLASS, HAZ. ID #</b> None	
<b>ADDITIONAL HAZARD CLASSES (as applicable)</b> None	
<b>CHEMICAL FAMILY</b> Straight Honing Oil	<b>FORMULA</b> See Section II

### SECTION II – INGREDIENTS

CAS REGISTRY#	Wt. %	CHEMICAL NAME	Listed as a carcinogen in NTP, IARC, or OSHA 1910 (specify)
64741-86-2	20-39	Distillates, sweetened middle OSHA(PEL): TWA=5mg/m <sup>3</sup> for oil mist in air ACGIH(TLV): TWA=5mg/m <sup>3</sup> for oil mist in air	Not listed
64742-47-8	20-39	Distillates, hydrotreated light OSHA(PEL): TWA=5mg/m <sup>3</sup> for oil mist in air ACGIH(TLV): TWA=5mg/m <sup>3</sup> for oil mist in air	Not listed
64741-89-5 64742-46-7 64742-52-5 64742-53-6 64742-54-7 64742-57-0	20-39	Petroleum lubricating oil base stock OSHA(PEL): TWA=5mg/m <sup>3</sup> for oil mist in air ACGIH(TLV): TWA=5mg/m <sup>3</sup> for oil mist in air	Not listed
Balance classified as Non-hazardous Ingredients.			

### SECTION III – PHYSICAL DATA

<b>BOILING POINT</b> Not available	<b>SPECIFIC GRAVITY</b> (H <sub>2</sub> O=1) @15°C 0.81	<b>ODOR THRESHOLD (ppm)</b> Not available
<b>VAPOR PRESSURE</b> Not available	<b>PERCENT VOLATILE ( Vol.%)</b> Not available	<b>PERCENT SOLID (Wt.%)</b> Not available
<b>VAPOR DENSITY</b> Not available	<b>EVAPORATION RATE</b> Not available	<b>FREEZING POINT (°C)</b> Not available
<b>SOLUBILITY IN WATER</b> Negligible	<b>pH</b> Not applicable	<b>MATERIAL IS</b> Liquid
<b>APPEARANCE &amp; ODOR</b> Light yellow with oily odor	<b>VOLATILE ORGANIC COMPOUNDS (VOC)</b> Not available	

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT</b> 97 °C	<b>METHOD USED</b> C.O.C.	<b>FLAMMABLE LIMITS</b> LEL/UEL Not available	<b>AUTO-IGNITION TEMPERATURE (°C)</b> Not available
<b>EXTINGUISHING MEDIA</b> Carbon dioxide, dry chemical, foam, or water fog. Do not use a direct stream of water			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Wear self- contained breathing apparatus. (NIOSH approved)			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> 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**

<b>THRESHOLD LIMIT VALUE</b> See Section II		
<b>EFFECTS OF OVEREXPOSURE – conditions to avoid</b> Contains petroleum oils. Harmful if swallowed. Avoid inhalation of the oil mist. Avoid eye contact and prolonged skin contact – may cause irritation.		
<b>PRIMARY ROUTES OF ENTRY</b>	<b>Inhalation:</b> <b>Skin Contact: X</b>	<b>Eye Contact:</b> <b>Ingestion:</b>
<b>EMERGENCY AND FIRST AID PROCEDURES</b> <b>EYES:</b> Flush with water for 15 minutes while holding eyelids open. <b>SKIN:</b> Wash with soap and water. <b>INHALATION:</b> Remove victim to fresh air and provide oxygen if breathing is difficult. <b>INGESTION:</b> 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**

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

**SECTION VII – SPILL OR LEAK PROCEDURES**

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

**SECTION VIII – SPECIAL PROTECTION INFORMATION**

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

**SECTION IX – SPECIAL PRECAUTIONS**

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