

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

11, 14, 24, 39, 56  
56 JUN 08 1994

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

S-00640

MANUFACTURER'S NAME <b>Standard Oil Company (Ohio) &amp; Boron Oil Company</b>		EMERGENCY TELEPHONE NO. <b>(216) 575-4300</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>Midland Building, Cleveland, Ohio 44115</b>		
CHEMICAL NAME AND SYNONYMS <b>Technical Grade White Mineral Oil</b>		TRADE NAME AND SYNONYMS <b>Factopure T 70 &amp; 85</b>
CHEMICAL FAMILY <b>Hydrocarbon</b>	FORMULA <b>Petroleum White Mineral Oil</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS	N.A.		N.A.		
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
These products are not classified as "Hazardous Material" as defined in U.S. Department of Labor Safety and Health Regulations Section 57, Parts 1501, 1502, 1503.					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.) <b>Initial</b>	<b>650+</b>	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	<b>853- 851</b>
VAPOR PRESSURE (mm Hg.) <b>@ 100°F, less than</b>	<b>0.1</b>	PERCENT VOLATILE BY VOLUME (%)	<b>0</b>
VAPOR DENSITY (AIR=1) <b>No measurable vapor @ 100°F</b>		EVAPORATION RATE (Butyl = 1)	<b>less than 0.1</b>
SOLUBILITY IN WATER <b>Less than 0.1%</b>	<b>Negligible</b>	<b>Acetate</b>	
APPEARANCE AND ODOR <b>Water White (30+ Saybolt Color) &amp; Odorless</b>			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) <b>D 92 355 F</b>	FLAMMABLE LIMITS <b>Unknown</b>	Lel	Uel
EXTINGUISHING MEDIA <b>Carbon dioxide, dry chemical, foam</b>			
SPECIAL FIRE FIGHTING PROCEDURES <b>Avoid breathing fumes</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>None</b>			

### SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE N.A.
EFFECTS OF OVEREXPOSURE None Known
EMERGENCY AND FIRST AID PROCEDURES Wash with copious amount of water

### SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID Contact with open flame
	STABLE	X	
INCOMPATIBILITY <i>(Materials to avoid)</i>			
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove any sources of ignition. Absorb with dry materials. Scoop up spilled product.
WASTE DISPOSAL METHOD If unsuitable for use, dispose of at an approved disposal site or burn in accordance with state and local regulations.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION <i>(Specify type)</i> None		
VENTILATION	LOCAL EXHAUST None	SPECIAL
	MECHANICAL <i>(General)</i> None	OTHER
PROTECTIVE GLOVES None	EYE PROTECTION None	
OTHER PROTECTIVE EQUIPMENT		

### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep away from open flame.
OTHER PRECAUTIONS