

# MATERIAL SAFETY DATA SHEET

003365

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

## SECTION I

MANUFACTURER'S NAME Standard Oil Co. - Ohio and Boron Oil		EMERGENCY TELEPHONE NO. 216-575-4141
ADDRESS (Number, Street, City, State, and ZIP Code) Midland Building, Cleveland, Ohio 44115		
CHEMICAL NAME AND SYNONYMS Petroleum Lubricating Oil	TRADE NAME AND SYNONYMS Grades 44, Industron 48, 53, 66, 80	
CHEMICAL FAMILY Hydrocarbon	FORMULA Petroleum Oil and Additives	

## 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	NA		OTHERS	NA	
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
These products are not classified as "Hazardous Materials" as defined in U.S. Department of Labor Health and Safety Regulations.					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.) Initial	724-802	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	877- 88
VAPOR PRESSURE (mm Hg.) @ 100°F	0.1	PERCENT VOLATILE BY VOLUME (%)	0
VAPOR DENSITY (AIR=1) no measurable vapor at 100°F		EVAPORATION RATE (Butyl acetate =1)	0.1
SOLUBILITY IN WATER	Negative		
APPEARANCE AND ODOR Pale Yellow to Light Orange -- Petroleum Oil Odor			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) D-92 415 to 455	FLAMMABLE LIMITS	LM	UEL
		Unknown	
EXTINGUISHING MEDIA Dry Chemical, CO <sub>2</sub> , Foam			
SPECIAL FIRE FIGHTING PROCEDURES Avoid breathing fumes			
UNUSUAL FIRE AND EXPLOSION HAZARDS			
None			

### SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE NA
EFFECTS OF OVEREXPOSURE Details unknown. Can cause skin irritation.
EMERGENCY AND FIRST AID PROCEDURES Wash skin with soap and water. Wash eyes with copious amount of water. See physician.

### SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID Exposure to strong oxidizing agents.
	STABLE	X	Contact with open flame.
INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents such as chlorine, bromine, hydrogen peroxide.			
HAZARDOUS DECOMPOSITION PRODUCTS CO, CO <sub>2</sub>			
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 source of ignition. Mop up, scoop up and deposit in Plant Oil Pollution Control System. Soak up with absorbent floor compound.
WASTE DISPOSAL METHOD Burn under controlled conditions or deposit in disposal site in compliance with state and local regulations.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) No		
VENTILATION	LOCAL EXHAUST X	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES Rubber or plastic impervious to hydrocarbon.	EYE PROTECTION No	
OTHER PROTECTIVE EQUIPMENT		

### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING No special precautions - handle and store as with any industrial lubricating oil.
OTHER PRECAUTIONS