

U.S. Oil Co., Inc.

Lubricants Division

425 S. Washington St. Combined Locks, WI 54113
Phone 920-735-8298

MATERIAL SAFETY DATA SHEET

REVISION NUMBER: 1
PREPARATION/REVISION DATE: 6/20/05
REVISED FROM (DATE): 3/01/05

Section 1: Product and Company Identification

Manufacturer: U.S. Oil Co., Inc. Telephone: 920-735-8298
425 S Washington St
Combined Locks, WI 54113

Product Label Name..... Synthetic 5W-20 Motor Oil
Product Label Name..... Synthetic 5W-30 Motor Oil
Product Label Name..... Synthetic 10W-30 Motor Oil
Product Label Name..... Synthetic 10W-40 Motor Oil
Product Use..... Lubricating Oil

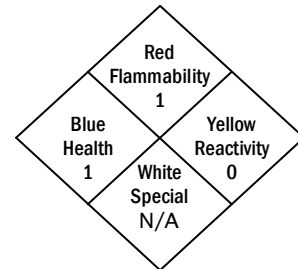
Section 2: Composition/Information on Ingredients

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Hydrogenated Base Mixture, CAS# 64742547, 85-95%

*See Section 8 for exposure limits.

NFPA & HMIS Rating



Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: Minor eye, inhalation and skin irritant.

*See Section 11 for toxicological information.

Section 4: First Aid Measures

EYE: Flush with water for 15-20 minutes. Seek medical attention if irritation develops.

SKIN: Wash immediately with soap and water. Remove contaminated clothing and launder before reuse. Discard shoes and leather articles saturated with the product. Obtain medical advice if irritation occurs.

INHALATION: Remove exposed person to fresh air. If breathing is labored give oxygen. If breathing has stopped apply artificial respiration. Get immediate medical attention.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. If vomiting does occur, keep head below hips to reduce risk of aspiration. Get immediate medical attention.

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point for 010 439°F (226°C)
Flash Point for 024.....453°F (234°C)
Flash Point for 035.....478°F (248°C)
Flash Point for 044 478°F (248°C)
MethodCOC ASTM D-92
LFL/UFL..... Not Determined
Auto-ignition Temperature Not Determined

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam and water fog.

SPECIAL PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed surface cool.
Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water.

PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Section 6: Accidental Release Measures

Isolate spill area. Provide adequate ventilation. Wear appropriate personal protection. Recover free product for recycle and/or disposal. Add sand, earth or other suitable absorbent to spill area. Prevent entry into sewers and waterways. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulator Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spill.

Section 7: Handling and Storage

HANDLING: HANDLING: Keep containers closed. Avoid contact with eyes, skin or clothing. Wash hands after handling. Empty container may retain product residue which may exhibit hazards of product. **Warning:** Continuous contact with used motor oil has caused skin cancer in laboratory animal tests. Wash thoroughly after handling.

STORAGE: Keep away from heat or flame.

Section 8: Exposure Controls/Personal Protection

VENTILATION: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

RESPIRATORY: Use a NIOSH approved respirator when necessary.

SKIN: Use Viton or Nitrile gloves to avoid prolonged or repeated skin contact.

EYE: Use splash goggles or face shield where splashing is expected or can occur.

EXPOSURE LIMITS: The Threshold Limit Value (TLV) of 5 mg/m³ is suggested for oil mist.

Section 9: Physical and Chemical Properties

Physical State Liquid
Boiling Point Not Determined
Freezing/Melting Point for XLF -45°F(-43°C)
Freezing/Melting Point for XLM.....-45°F(-43°C)
Freezing/Melting Point for XLT -40°F(-40°C)
Freezing/Melting Point for XLO -36°F(-38°C)
Vapor Pressure Not Determined
Vapor Density (Air=1) Negligible
Evaporation Rate..... Not Determined

Solubility in Water..... Negligible
 Specific Gravity for XLF (Water=1).....0.8448
 Specific Gravity for XLM (Water=1).....0.8433
 Specific Gravity for XLT (Water=1).....0.8478
 Specific Gravity for XLO (Water=1).....0.8509
 Density, lb. /gal. for XLF7.034
 Density, lb./gal. for XLM.....7.022
 Density, lb./gal. for XLT7.059
 Density, lb./gal. for XLO.....7.085
 Volatility (Volume) Negligible
 VOC..... Unknown
 pH..... Essentially Neutral
 Coefficient of Water/Oil Distribution Not Determined
 Odor..... Mild, Bland, Hydrocarbon Odor
 Odor Threshold Not Determined
 Appearance..... Light Amber Transparent Colored Liquid

Viscosity, cSt @ 100°C for 010.....8.45
 Viscosity, cSt @ 100°C for 024.....10.52
 Viscosity, cSt @ 100°C for 035.....10.53
 Viscosity, cSt @ 100°C for 044.....15.67
 Viscosity, cSt @ 40°C for 010.....45.39
 Viscosity, cSt @ 40°C for 024.....58.19
 Viscosity, cSt @ 40°C for 035.....63.64
 Viscosity, cSt @ 40°C for 044.....104.41
 Viscosity Index for 010.....165
 Viscosity Index for 024 173
 Viscosity Index for 035 155
 Viscosity Index for 044 160

Section 10: Stability and Reactivity

STABILITY: Stable under moderately elevated temperatures and pressures.

INCOMPATIBILITY: Avoid contact with strong oxidants.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: Toxic oxides of carbon, aldehydes and other products of incomplete combustion.

Section 11: Toxicological Information

ACUTE EXPOSURE

Eye Irritation: Moderate to strong eye irritation. Based on data from components or similar material.

Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or similar material. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, defatting, and cracking of the skin.

Respiratory Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.

CHRONIC EXPOSURE

- Chronic Toxicity: No data available to indicate product present at greater than 1.0% are chronic health hazards.
- Carcinogenicity: No data available to indicate product present at greater than 0.1% are a carcinogenic hazard.
- Mutagenicity: No data available to indicate product present at greater than 1.0% present a mutagenic or genotoxic hazard.
- Reproductive Toxicity: No data available to indicate product present at greater than 1.0% present a reproductive hazard.
- Teratogenicity: No data available to indicate product present at greater than 1.0% present a teratogenic hazards.

ADDITIONAL INFORMATION

- Exposure Limits: Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter.

Section 12: Ecological Information

No data available on the adverse effects of this product on the environment.

Section 13: Disposal Considerations

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Section 14: Transport Information

This product is not classified as hazardous material for DOT shipping. For further information relative to spills resulting from transportation incidents, refer to the latest DOT Emergency Response Guidebook for Hazardous Materials.

Section 15: Regulatory Information

U.S. Federal Regulations

- OSHA Table Z Synthetic Base Stock (mist)
- TSCA Not Applicable
- CERCLA 40 CFR 302.4 Zinc Compounds @1.35-2.68%, RQ 1 lb
- SARA Title III
 - Section 302 Extremely Hazardous Not Applicable
 - Section 311/312
 - Fire Hazard Yes
 - Reactive Hazard No
 - Release of Pressure No
 - Acute Health Hazard Yes
 - Chronic Health Hazard No
 - Section 313 Toxic Chemical Not Applicable

U.S. State Regulations
California (Prop 65)

Does not contain chemicals known to the state of California to cause cancer.

International Regulations

WHMIS.....All components listed

Section 16: Other Information

The information and recommendations contained herein are, to the best of SEVERUS's knowledge and belief, accurate and reliable as of the date issued. SEVERUS makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and SEVERUS shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with SEVERUS's interpretation of the available data.