

MATERIAL SAFETY DATA SHEET

Klotz Synthetic Lubricants
7424 Freedom Way
Fort Wayne, IN 46818

7 IN 3601-0136
Telephone Numbers:
260-490-0489
260-490-0490 (fax)
Chemtrec: 1-800-424-9300

SECTION I – IDENTIFICATION

Chemical Name & Synonyms
Synthetic Lubricant

Chemical Family
4-Cycle Synthetic Lubricant

Trademark Name: Klotz 0W/50 SNOWX4 ESTORLIN® – KE-850

SECTION II – HAZARDOUS COMPONENTS

Not Applicable

SECTION III – PHYSICAL DATA

Boiling Point: 398.9°C (750°F)
Freezing Point: N/A
Melting Point: N/A
Vapor Pressure (mmHg): <0.1 @ 100°F
Solubility in Water: Negligible
Evaporation Rate (Water=1): Very Slow
Decomposition Temp: N/A
Odor: N/A

Specific Gravity: 0.850
% Volatile By Volume: 0 @ 100°F
Viscosity: 19.1 cSt @100°C
Vapor Density (Air=1): Heavier
Bulk Density: N/A
Pour Point: -48°F
Appearance: Red Liquid
Weight per gallon: 7.09 lbs/gal

SECTION IV – FIRE & EXPLOSION HAZARD INFORMATION

Autoignition Temperature: No Data

Flammability in Air: Lower No Data
Upper No Data

Flash Point: 410°F

Basic Fire Fighting Procedures: Use water spray, dry chemical, foam or carbon dioxide to extinguish fire. Water or foam may cause frothing, with further application leading to boil over. Use water spray to cool fire-exposed container, structures, and to protect personnel. Use water to flush spills away from sources of ignition. DO NOT flush down public sewers.

Unusual Fire & Explosion Hazards: Combustible at high temperatures. Irritating or toxic substances may be emitted upon thermal decomposition. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus, with full mask and full protective equipment.

SECTION V – REACTIVITY DATA

Incompatibility: Avoid contact with strong oxidizers

Stability: Stable under normal conditions

Hazardous Reactions/Decomposition Products: Combustion may produce CO, CO₂, and reactive hydrocarbons.

SECTION VI – SPILL, LEAK, & DISPOSAL PROCEDURES

Spill or Release to the Environment: If your facility or operation has an "Oil or Hazardous Substance Contingency Plan", activate its procedures. Take immediate steps to stop and contain the spill. Caution should be exercised regarding personal safety and exposure to the spilled material.

Emergency Action: Keep unnecessary people away. Stay upwind; keep out of low areas. Isolate hazard area and deny entry. (Also see Special Protection Information Section.) Isolate for ½ miles in all directions if tank or tank car is involved in fire.

Spill or Leak Procedure: Stop leak if you can do it without risk.

Large Spills: Dike far ahead of spill for later disposal.

Small Spills: Take up with sand or other non-combustible absorbent material or other substance known to be compatible, and then flush area with water.

Notification: Any spill or release, or substantial threat of release, of this material to navigable water (virtually any surface water) sufficient to cause visible sheen upon the water must be reported immediately to the National Response Center 800-424-8802, as required by US Federal Law. Failure to report may result in substantial civil and criminal penalties.

Waste Disposal: This substance, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal Regulations; however, it could be hazardous if it is considered toxic, corrosive, ignitable or reactive according to Federal Definitions (40 CFR 261). Additionally, it could be designated as hazardous according to State Regulation.

This substance would also become a hazardous waste if it is mixed with or comes in contact with a hazardous waste. If such contact or mixing may have occurred, check 40 CFR 261 to determine whether it is a hazardous waste. If it is a hazardous waste, regulations at 40 CFR 262, 263, and 264 apply. The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with all the applicable Federal, State, and local regulations.

Additional Environmental Regulatory Information: There may be specific regulations at the local, regional, or state level that pertain to the material.

SECTION VII – HEALTH HAZARD DATA

Ingestion: PRACTICALLY NON-TOXIC. May cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting, and diarrhea.

Skin: PRACTICALLY NON-TOXIC. Repeated or prolonged contact may result in defatting, oil, acne, redness, itching, inflammation, cracking and possibly secondary infections. May cause allergic reactions in some individuals. Contact with heated material may cause thermal burns.

Eyes: SLIGHTLY IRRITATING. Contact with heated material may cause thermal burns.

Inhalation: May cause respiratory tract irritation. Exposure to high concentrations of dense oil mist may lead to oil pneumonia.

SECTION VIII – FIRST AID PROCEDURES

Ingestion: DO NOT INDUCE VOMITING. If spontaneous vomiting occurs, monitor for breathing difficulty. Get immediate medical attention.

Skin Contact: Remove contaminated clothing immediately. Wash area of contact thoroughly with soap and water. Get medical attention if irritation persists.

Eye Contact: Flush immediately with large amounts of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists. Thermal burns require immediate medical attention.

Inhalation: Remove affected person from source of exposure. Get medical attention if irritation persists.

Eye Protection: Wear Safety glasses or chemical goggles to prevent eye contact. Have eye baths readily available where eye contact can occur. DO NOT wear contact lenses when working with this substance.

SECTION IX – SPECIAL PROTECTION INFORMATION

Handling/Storage: Avoid extremes of temperature in storage. Store in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles. DO NOT store in unlabeled containers. DO NOT eat, drink, or smoke in areas of use for storage.

Empty containers may contain flammable/combustible or explosive residue or vapors. DO NOT cut, grind, drill, weld, or reuse containers unless adequate precautions are taken against these hazards.

Skin Protection: Wear impervious gloves and protective clothing to prevent skin contact.

Respiratory Protection: Use NIOSH or MSHA approved equipment when airborne exposure limits are exceeded. Ventilation may be used to control or reduce airborne concentration.

SECTION X – DOT TRANSPORTATION

DOT NOT REGULATED

NOT A MARINE POLLUTANT

Revised: 11-21-07