



Material Safety Data Sheet

Product Name: **ISOFLEX TOPAS AK 50 (#004151)**

Date: August 3, 2007

Replaces: September 7, 2004

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Section 1 – Company Identification

Klüber Lubrication North America L.P.
32 Industrial Dr.
Londonderry, NH 03053
Phone: (603)647-4104

Emergency Phone
United States (800)424-9300 (ChemTrec)
International (703)527-3887

Section 2 – Composition Information

Synthetic hydrocarbon oil
Aluminum complex soap

Section 3 – Health Effects

Eyes: May cause irritation upon contact.

Skin: May cause irritation upon repeated contact.

Inhalation: Vapor inhalation under ambient conditions will not occur, however, if heated to high temperatures, oil mist may cause irritation to the respiratory tract.

Ingestion: May cause irritation to respiratory tract and diarrhea.

Section 4 – First Aid Measures

Eyes: Flush eyes with clean water for 20 minutes. Seek medical attention if irritation persists.

Skin: Wash with soap and water. Seek medical attention if irritation or rash persists.

Inhalation: Remove victim to fresh air. If respiratory problems continue, seek medical attention.

Ingestion: Wash out mouth immediately. Do not induce vomiting. Seek medical attention.

Advice to Physician: Treat systematically.

Section 5 – Exposure Controls

Eye Protection: Safety goggles or safety glasses with side shields when applying product to moving parts. Consult your company's policy regarding eye protection.

Hand Protection: Grease proof gloves for hypersensitive persons. Consult your company's policy regarding hand protection.

Body Protection: Clean overalls. Consult your company's policy regarding personal protective clothing.

Respiratory Protection: During normal use, no special respiratory protection is required, however, if misting / vapors occur due to high heat or fire, use self contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-demand mode. Consult your company's respiratory protection policy.

Other Protective Measures: Emergency eyewash / shower equipment should be readily available.



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Section 6 – Fire Fighting Measures

Flash Point: May be combustible at high temperatures.

Lower Explosion Limit: Not determined.

Upper Explosion Limit: Not determined.

Extinguishing Media: Water mist, foam, dry chemical or carbon dioxide. Do not use water jet as this may spread fire and contamination. Product may float and re-ignite.

Respiratory Protection: Self contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-demand mode.

Section 7 – Accidental Release

If product leaks or is inadvertently spilled, eliminate ignition sources and prevent spill from entering drains and waterways. Absorb spilled product with absorbent and place in a container for proper disposal.

Section 8 – Handling and Storage

Handling: No special handling precautions are necessary, however, good personal hygiene is recommended. Wash hands with soap and water before eating, drinking or smoking. Use product in well ventilated areas.

Storage: Keep container tightly closed in a cool, well ventilated place. Keep away from foodstuffs. Keep away from elevated temperatures. Keep away from children.

Section 9 – Physical and Chemical Properties

Appearance: Beige grease.

Drip Point: > 200°C (DIN ISO 2176).

Vapor Pressure (mm Hg): Not determined.

Density: ~ 0.87 g/cm³ @ 20° C.

Solubility in Water: Insoluble.

Section 10 – Stability and Reactivity

Stability: Stable under ambient conditions.

Conditions to Avoid: Open flames and heat sources.

Materials to Avoid: Oxidizing agents.

Hazardous Decomposition Products: Burning generates smoke, carbon monoxide, carbon dioxide, and airborne soot.

Hazardous Polymerization: Will not occur.



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Section 11 – Toxicological Information

Acute Toxicity: Not determined.

Chronic Toxicity: Not determined.

Sensitization: Not known to be a sensitizer.

Section 12 – Disposal Considerations

Under RCRA, it is the responsibility of the user, at the time of disposal, to determine whether the product meets the RCRA criteria for hazardous waste. As a new product, it is not considered a RCRA hazardous waste.

Section 13 – Transportation

DOT: Not regulated.

IATA: Not regulated.

IMDG: Not regulated.

Section 14 – Regulatory Information

TSCA Section 8(b) Inventory Status: All components are either exempt or listed on the TSCA inventory.

TSCA Section 12(b) Export Notification: This product does not contain any component(s) that are subject to Section 12(b) Export Notification.

SARA Section 302 Extremely Hazardous Substance (EHS): This product does not contain any component(s) regulated under Section 302 (40 CFR 355) as Extremely Hazardous Substances.

SARA Section 304 CERCLA Hazardous Substance: This product does not contain any component(s) regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification.

SARA Section 313 Toxic Chemical List: Barium compound (< 3%).
Zinc compound (< 1%).

RoHS: Compliant.

Section 15 – Additional Information

HMIS Rating

Health: 1

Flammability: 1

Reactivity: 0

Personal Protection: B