



# Material Safety Data Sheet

Product Name: **ISOFLEX NCA 15 (#004180)**

Date: January 10, 2008

Replaces: October 16, 2006

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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

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## Section 2 – Composition Information

Mineral oil  
Synthetic hydrocarbon oil  
Special calcium soap  
Ester oil

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## 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.

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## 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.

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## 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.

	TLV	PEL
Mineral oil	5 mg/m <sup>3</sup> (oil mist)	5 mg/m <sup>3</sup> (oil mist)



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**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.

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## 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.

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## 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.

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## Section 9 – Physical and Chemical Properties

**Appearance:** Beige grease.

**Drip Point:** > 180° C (DIN ISO 2176).

**Vapor Pressure (mm Hg):** Not determined.

**Density:** ~ 0.94 g/cm<sup>3</sup> @ 20° C.

**Solubility in Water:** Insoluble.

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## 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.

**IARC:** No components present.

**NTP:** No components present.

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## 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.

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## Section 13 – Transportation

**DOT:** Not regulated.

**IATA:** Not regulated.

**IMDG:** Not regulated.

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## 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:** This product does not contain any component(s) listed on the Section 313 Toxic Chemical List.

**WHMIS:** Not controlled.

**RoHS:** Compliant.

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## Section 15 – Additional Information

HMIS Rating

Health: 1

Flammability: 1

Reactivity: 0

Personal Protection: B