

KANO LABORATORIES LLC
SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Super Lube® Fire Resistant Hydraulic Fluid**Product Use:** Lubricant**Manufacturer:** Kano Laboratories LLC
24 DaVinci Drive, P.O. Box 405
Bohemia, NY 11716**Emergency Phone Number:** ChemTel 1-800 255-3924 (US/Canada), 1-813-248-0585 (International), 1-300-954-583 (Australia), 0-800-591-6042 (Brazil), 400-120-0751 (China), 000-800-188-4086 (India), 800-099-0731 (Mexico)**Manufacturer Phone Number:** (631) 567-5300**Website:** www.super-lube.com**SDS Date of Preparation:** September 23, 2024

SECTION 2: HAZARDS IDENTIFICATION

GHS / HAZCOM 2024/WHMIS 2022 Classification: Acute Toxicity (oral) Category 4

Skin Irritation Category 2

Eye Damage Category 1

**Label Elements:**

Danger: Harmful if swallowed. Causes skin irritation. Causes serious eye damage.

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection, protective clothing and protective gloves.

IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

IF on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse

IF Swallowed: Call a POISON CENTER, a doctor if you feel unwell. Rinse mouth.

Dispose of contents/container to an approved waste disposal plant.

Other Hazards: None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
Diethylene glycol	111-46-6	25-50
Oxirane, 2-methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)	52624-57-4	10-25
N,N-dimethylethanolamine	108-01-0	1-<3
Decanoic acid	334-48-5	1-<3

The specific identity and/or exact percentage has been withheld as a trade secret.



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SECTION 4: FIRST AID MEASURES

Eye: Rinse thoroughly with water for at least 15 minutes, holding the eye lids open to be sure the material is washed out. Get immediate medical attention.

Skin: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation persists. Launder clothing before re-use.

Inhalation: Remove victim to fresh air. If breathing is difficult or irritation develops, get medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or drowsy person. Get medical attention.

Most important symptoms and effects, acute and delayed: Causes severe eye irritation. Permanent eye damage is possible. Causes skin irritation. Inhalation of mist may cause upper respiratory tract irritation. Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting or diarrhea.

Indication of immediate medical attention and special treatment, if needed: Immediate medical attention is required for eye contact.

SECTION 5: FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use water fog, carbon dioxide, dry chemical or foam.

Specific Hazards Arising from the Chemical: Product is not flammable but will burn under fire conditions. Combustion may produce oxides of carbon and nitrogen and unidentified organic compounds.

Special Protective Equipment and Precautions for Fire-fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, Protective equipment, and Emergency procedures: Wear appropriate protective clothing to avoid eye and skin contact as described in Section 8. Caution – slip hazard from spilled material.

Environmental precautions: Report spills and releases as required to appropriate authorities.

Methods and Materials for Containment and Cleaning up: Cover with an inert absorbent material and collect into an appropriate container for disposal. After removal, wash contaminated area thoroughly with soap and water.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing aerosols and mists. Use with adequate ventilation. Wash thoroughly with soap and water after use. Keep containers closed when not in use. Remove contaminated clothing immediately. Do not add nitrites to this fluid.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated location away from oxidizing agents and other incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Diethylene glycol	10 ppm TWA AIHA & OARS WEEL

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Oxirane, 2-methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)	None Established
N,N-dimethylethanolamine	None Established
Decanoic acid	None Established

Appropriate Engineering Controls: None needed under normal use conditions. Use with adequate general or local exhaust ventilation as needed to minimize exposure levels.

Personal Protective Equipment:

Respiratory Protection: None required for normal conditions of use. If airborne mist exposures are excessive, a NIOSH approved respirator with particulate/organic vapor cartridges may be used. For higher exposures, a supplied air respirator may be required. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Hand protection: Impervious gloves are recommended to avoid skin contact.

Eye Protection: Chemical safety goggles recommended.

Skin Protection: Impervious clothing as required to avoid skin contact and contamination of personal clothing.

Hygiene measures: Suitable washing facilities should be available in the work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Odor:	Mild
Color:	Red-Orange	pH:	9-10
Melting/Freezing Point:	Not available	Boiling Point/Range:	Not available
Flash Point:	>212°F(100°C) estimated	Particle Characteristics:	Not applicable
Flammability:	Not classified	Flammability Limits:	UEL: Not available LEL: Not available
Vapor Pressure:	Not available	Relative Vapor Density (air = 1):	Not available
Relative Density:	1.0	Solubilities:	Soluble in Water
Partition Coefficient: (N-Octanol/Water)	Not available	Autoignition Temperature:	Not available
Decomposition Temperature:	Not available	Kinematic Viscosity:	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known.

Chemical Stability: Stable under normal conditions of storage or use.

Possibility of Hazardous Reactions: None known.

Conditions to avoid: None known.

Incompatible Materials: Avoid strong oxidizing agents, strong acids.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

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Eye: Causes severe eye irritation and possible damage.

Skin: Causes irritation.

Inhalation: Inhalation of mists may cause mild mucous membrane and upper respiratory tract irritation.

Ingestion: Harmful if swallowed. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Hazards: None known.

Acute toxicity: Harmful if swallowed.

Diethylene glycol: Oral rat LD50 16,500 mg/kg; Dermal rabbit LD50 13,300 mg/kg (this substance is classified based on human toxicity, so the point estimate ATE is used – 500 mg/kg); LC50 inhalation rat >4.6 mg/L (as dust/mist)

Oxirane, 2-methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1): LD50 oral rat >2000 mg/kg

N,N-dimethylethanolamine: Oral rat LD50 1203 mg/kg; LD50 dermal rat >3000 mg/kg

Decanoic acid: LD50 oral rat >5000 mg/kg, LD50 dermal rat >2000 mg/kg

Skin Corrosion/ Irritation: Causes irritation.

Eye Damage/Irritation: Causes serious eye damage.

Skin Sensitization: Not classified.

Respiratory Sensitization: Not classified.

Germ Cell Mutagenicity Not classified.

Carcinogenicity: Not classified. Not listed as a carcinogen by OSHA, IARC or NTP.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity – Single Exposure: Not classified.

Specific Target Organ Toxicity – Repeated Exposure: Not classified.

Aspiration Toxicity: Not classified.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic organisms with long lasting effects.

Diethylene glycol: LC50 fish 75,200 mg/L/96h; LC50 daphnia 62630 mg/L/48h; EC50 algae 6500-13000 mg/L/96h

Oxirane, 2-methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1): LC50 fish >10000 mg/L/96h

N,N-dimethylethanolamine: LC50 fish 146 mg/L/96h; EC50 daphnia magna 98 mg/L/48h; EC50 algae 66 mg/L/72h

Decanoic acid: LC50 fish 18.9mg/L/96h; EC50 daphnia magna >21 mg/L/48h; EC50 algae 15 mg/L/72h

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Persistence and Degradability: Oxirane, 2-methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1) is not readily biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: None known.

SECTION 13: DISPOSAL INFORMATION

Disposal instructions: Dispose of product in accordance with all local, state/provincial and federal regulations.

Contaminated packaging: Offer rinsed packaging material to local recycling facilities.

SECTION 14: TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT Ground		Not Regulated			None
Canada TDG		Not Regulated			None
IMDG		Not Regulated			None
IATA		Not Regulated			None

Transport in bulk according IMO Instruments: Not applicable – product is transported only in packaged form.

Special precautions: None known.

SECTION 15: REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS:**

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements. Many states have more stringent reporting requirements. Report spills and other releases as required under federal, state and local regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Refer to Section 2 for the OSHA Hazard Classification

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.



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SECTION 16: OTHER INFORMATION

HMIS Ratings: Health - 3
NFPA Ratings: Health - 3

Flammability - 1
Flammability - 1

Reactivity - 0
Reactivity - 0

SDS Revision Comment: New Kano SDS.
Date of Preparation: September 23, 2024
Date of Previous Revision: April 1, 2024

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The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or the consequences of its use or misuse.