



MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

Product Name: RelaTECH Dust Control Oil 546
Chemical Name: Hydraulic Oil
Chemical Family: Blend

Manufacturer: RelaDyne LLC

5228 River Road
Cincinnati, Ohio 45233

Telephone Numbers:

(513) 941-2800 (513) 467-3486 (Fax)
1-800-786-2803 www.oildistributing.com

2. Composition/Information on Ingredients

Table with columns: Component/CAS Number, LO%, HI%, OSHA (TWA, STEL), ACGIH (TWA, STEL), Unit. Rows include: Severely Solvent Refined Heavy Paraffinic Petroleum Oil, Zinc Dialkyl Dithiophosphate, Acrylic Copolymer, Calcium Sulfonate, 2-Ethylhexanol.

3. Hazard Identification

Emergency Overview

May cause skin irritation

Appearance: Amber Fluid Odor: Slight Odor

Potential Health Effects:

Inhalation: No effects expected. Ingestion: Practically non-toxic.

Eye Contact: Expected to be minor eye irritant.

Skin Contact: Practically non-toxic if absorbed (LD50> 2000 MG/KG). May cause moderate irritation with prolonged or repeated contact.

Carcinogen Listed By: IARC (NO) NTP (NO) OSHA (NO) ACGIH (NO) OTHER (NO)

NFPA/HMIS CLASSIFICATION

HEALTH 0/0
FLAMMABILITY 1/1
REACTIVITY 0/0

HAZARD RATING

0 = LEAST 1 = SLIGHT
2 = MODERATE 3 = HIGH
4 = EXTREME

N.A. = Not Applicable

N.D. = No Data

N.E. = Not Established

4. First Aid Measures

Inhalation: Move to fresh air.

Eye Contact: Flush with water for at least 15 minutes. If irritation persists, obtain medical assistance.

Skin Contact: Wash with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance. Wash clothing before reuse.

Ingestion: Practically non-toxic. Induction of vomiting not required. Obtain emergency medical attention. Small amounts which accidentally enter mouth should be rinsed out until taste of it is gone.

5. Fire Fighting Measures

Flashpoint (Method): 405°F Minimum COC; 207°C Minimum COC

Flammable Limits: Not established

Autoignition Temp: 675°F Estimated; 359°C Estimated

Extinguishing Media: Water spray, dry chemical, carbon dioxide (CO₂), foam.

Fire Fighting Instructions: Avoid breathing smoke and vapor.

Fire Fighting Equipment: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

Hazardous Combustion Products: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. Accidental Release Measures

Spills or Leaks: Contain spill, advise EPA; state agency if required. Absorb on inert materials, shovel, sweep or vacuum spill.

7. Handling and Storage

NFPA Class IIIB Storage. Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

Ventilation: Ventilate as needed to comply with exposure limit. General dilution ventilation acceptable.

Personal Protective Equipment

Eye: Splash proof chemical goggles recommended to protect against splash of product.

Gloves: Protective gloves recommended when prolonged skin contact cannot be avoided. The following glove materials are acceptable: polyvinyl chloride (PVC); neoprene, nitrile; polyvinyl alcohol; viton.

Respirator: Concentration in air determines protection needed. Use only NIOSH certified respiratory protection. Respiratory protection usually not needed unless product is heated or misted. Half-mask air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable to 10 times the exposure limit. Full face air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable to 50 times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure demand full face supplied air respirator or SCBA for exposures above 50X to exposure limit. If exposure is above IDLH (immediately dangerous to life and health) or there is the possibility of an uncontrolled release or exposure levels are unknown then use a positive pressure demand full face supplied air respirator with escape bottle or SCBA.

Other: If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA); polyvinyl chloride (PVC); neoprene; nitrile; viton; polyurethane; launder soiled clothes.

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9. Physical and Chemical Properties

Appearance/Odor:	Amber Fluid/Slight Odor	Boiling Point:	High
Vapor Pressure:	<0.0001 (MM HG @ 20°C)	Melting Point:	N/A
Molecular Weight:	N/A (G/Mole)	Packing Density:	N/A
Solubility in Water:	NIL (% By Volume)	Octanol/Water COEFF.:	N.D.
Evaporation Rate:	1000X Slower (Ethyl Ether =1)	Odor Threshold:	N.D.
Specific Gravity:	0.86 (Water =1)	Vapor Density:	10+ (Air =1)
Viscosity:	330 SUS @ 100°F 68 CST @ 40°C		

10. Stability and Reactivity

Stability:	Stable.
Conditions To Avoid:	None known.
Materials To Avoid:	Strong oxidizing agents.
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition:	Combustion will produce carbon monoxide and asphyxiants.

11. Toxicological Information

For the Product –

Inhalation: Low acute toxicity. **Skin:** Practically non-toxic if absorbed. Mild irritation with prolonged or repeated contact. **Eye:** Mildly irritating on contact. **Oral:** Practically non-toxic

acute toxicity: estimated oral LD50 in rats is: >15g/kg. estimated draize skin irritation score is 2.10 out of 8.0

Severely Solvent Refined Heavy Paraffinic Petroleum Oil: **Inhalation:** Low acute toxicity. **Skin:** Practically non-toxic if absorbed may cause moderate irritation with prolonged and repeated contact. **Eye:** Minimally irritating on contact. **Ingestion:** Practically non-toxic if swallowed. **Calcium Sulfonate:** **Inhalation/Ingestion:** No data available. **Skin:** Moderate irritant. Cause allergic skin reaction in animals. **Eye:** Moderate to severe irritation.

Butylated Phenol: No data available for all routes of exposure.

Zinc Dialkyl Dithiophosphate: **Inhalation:** Toxic hydrogen sulfide is generated when heated above 200 deg. F. This can cause central nervous system (brain) effects, nausea, dizziness, confusion, loss of sense of smell, muscle cramps, in coordination, unconsciousness, coma, respiratory failure, or death.

Skin: Prolonged or repeated contact may cause moderate irritation, redness, drying, cracking, dermatitis. **Eye:** Irritant. **Oral:** Harmful if swallowed.

Acrylic Copolymer: No data available for all route of exposure.

2-Ethylhexanol: **Inhalation:** Overexposure may cause nose, throat irritation, nasal discomfort and discharge, chest pain, cough, headache, nausea, vomiting. **Skin:** Irritant. May cause corneal injury. **Oral:** Moderately toxic. May cause abdominal discomfort, nausea, vomiting, and diarrhea.

12. Ecological Information

Ecotoxicity: No data available.

13. Disposal Information

Follow federal, state, and local regulations. Not RCRA hazardous waste if uncontaminated. If “used”, RCRA criteria (ignitability, reactivity corrosivity, toxicity characteristics) must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service.

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14. Transportation Information

DOT

Proper Shipping Name: Petroleum Lubricating Oil
 Hazard Class: Not regulated
 ID Number: Not regulated
 Label Required: Not regulated
 IMDG Proper Shipping Name: N.D.
 IATA Proper Shipping Name: N.D.

15. Regulatory Information

TSCA: This material is in compliance with the TOXIC SUBSTANCES CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA inventory.

SARA 302 THRESHOLD PLANNING QUANTITY		N/A	
SARA 304 REPORTABLE QUANTITY		N/A	
SARA 311/312 REPORTING:	Health:	Immediate (Acute)	No
	Health:	Delayed (Chronic)	No
	Physical:	Fire	No
	Physical:	Sudden Release of Pressure	No
	Physical:	Reactive	No

When a product and/or component is listed below, the regulatory list on which it appears is indicated.

ZINC DIALKYL DITHIOPHOSPHATE – NJ 01

01 = SARA 313	02 = SARA 302/304	03 = IARC CARCINOGEN
04 = OSHA CARCINOGEN	05 = ACGIH CARCINOGEN	06 = NTP CARCINOGEN
07 = CERCLA 302.4	08 = WHMIS CONTROLLED PROD.	
10 = OTHER CARCINOGEN		
PA = PA RTK	NJ = NEW JERSEY RTK	CA = CALIFORNIA PROP 65
MA = MASS. RTK	MI = MICHIGAN 406	MN = MINNESOTA RTK
FL = FLORIDA	RI = RHODE ISLAND	IL = ILLINOIS
NY = NEW YORK	WV = WEST VIRGINIA	CT = CONNECTICUT
LA = LOUISIANA	ME = MAINE	OH = OHIO

16. Other Information

RelaDyne LLC
Oil Distributing Company
5228 River Road
Cincinnati, Ohio 45233

The information on this form is furnished solely for the purpose of compliance with the OSHA Act, and shall not be used for any other purpose. The information herein is given in good faith and is based on data considered accurate. However, no warranty, expressed or implied, is made regarding the accuracy of these data or the results to be obtained from the use thereof.

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