

MSDS Document

Product Dynatex® 49595 White Lithium Grease

1. Chemical Product and Company Identification

Trade Name of this Product Dynatex® 49595 White Lithium Grease

MSDS ID DYN49595

Manufacturer

Dynatex Inc.
350 Ring Road
Elizabethtown, KY 42701

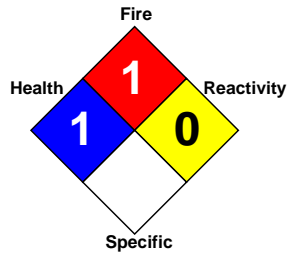
Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 7/19/2011



Health:	1
Fire:	1
Reactivity:	0
Specific	PPE: B

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Lubricating oils, petroleum, base oils, highly refined	Mixture	80% - 93%	5 mg/m	5 mg/m	
Lithium complex thickener	Proprietary	5% - 12%			
Phosphorodithioic acid, O-O-DI-C1-14-alkyl esters, zinc salts	68649-42-3	1% - 2%			
Antimony dialkyldithiocarbamate	NJTSRN 800983-5015 P	< 0.3 %			

3. Hazard Identification

Emergency Overview

Not regarded as a health hazard under current legislation. Exposure to vapors generated at high temperatures may cause respiratory irritation.

Sensitization

No known information

Carcinogenicity

IARC: Not listed as a Group 1, 2A, or 2B agent

OSHA: Not regulated

NTP: Not listed

Teratogenicity

No known information

Health Warnings

SKIN CONTACT

Repeated or prolonged contact can result in drying of the skin.

EYE CONTACT

Irritating

INGESTION

Can cause stomach ache and vomiting.

INHALATION

Heating can generate vapors that may cause respiratory irritation, nausea and headaches.

Inhalation hazard at room temperature is unlikely due to the low volatility of this product.

Primary Routes of Entry

Eye contact, ingestion, inhalation, skin contact

4. First Aid Information

Inhalation

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.

Eye Contact

Rinse with water. Contact physician if discomfort continues.

Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Ingestion

DO NOT INDUCE VOMITING! Get medical attention immediately!

5. Fire Fighting Measures

Flash Point	224C	435F
FP Method	COC	

Flammability Limits

LFL: Not determined

UFL: Not determined

Flammability Class

No Uniform Fire Code noted

Extinguishing Media

Foam, carbon dioxide, dry chemicals, sand, dolomite, etc.

Special Fire Fighting Procedures

Use water to keep fire-exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposure and to dilute spills to non-flammable mixtures.

Keep run-off out of sewers and water sources. Dike for water control.

Unusual Fire & Explosion Hazards

Volume and pressure increases strongly when heated. Risk of container explosion in fire.

Explosion risk when heated. Aerosol cans may explode in case of fire.

Hazardous Combustion Products

Acrid smoke/fumes. Oxides of carbon, phosphorus, sulfur.

6. Accidental Release Measures

Personal Precautions

Minimize skin contact. Avoid breathing vapors. Wear an appropriate respirator if exposure exceeds recommended guidelines. Remove sources of ignition.

Precautions to Protect the Environment

Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.

Spill Clean-up Procedures

Carefully collect spilled material in closed containers and leave for disposal according to local regulations. Provide good ventilation. Use appropriate protective clothing. Rinse area with water. Do not let washing down water. Do not let washing down water contaminate ponds or waterways.

7. Handling and Storage

Handling Precautions

Keep away from heat, sparks, and open flames. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Avoid spilling, skin and eye contact. Eye wash and emergency shower must be available at the work place. Containers to be kept tightly.

Storage Precautions

Keep away from heat, sparks and open flame. Store separated from oxidizing materials, acids.

Storage Criteria

Chemical storage

8. Exposure Controls and Personal Protection

Exposure Limits

Lubricating oils, petroleum, base oils, highly refined

OSHA TWA 5 mg/m³ (oil mist)

ACGIH TWA 5 mg/m³ (oil mist) STEL 10 mg/m³ (oil mist)

Antimony dialkyldithiocarbamate

OSHA TWA 5 mg/m³ as Sb

ACGIH TWA 5 mg/m³ as Sb

Engineering Controls

Use engineering controls to reduce air contamination to permissible exposure level.

Ventilation

No specific ventilation requirements noted, but forced ventilation may still be required.

Respirators

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Protective Gloves

Chemical resistant gloves required for prolonged or repeated contact.

Eye Protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Protective Clothing

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygienic Work Practices

Wash at the end of each work shift and before eating, smoking and using the toilet.

9. Physical and Chemical Properties

Physical State	Grease
Specific Gravity	0.9
Color/Appearance	Amber
Odor	Mild (faint) petroleum odor
Solubility	Insoluble in water
Evaporation Rate	< 1 (BuAc=1)
Vapor Density	> 5 (air=1)
Vapor Pressure	< 0.1 mm Hg @ 20C

Note

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

10. Stability and Reactivity

Chemical Stability

Stable

Conditions to Avoid

Avoid contact with acids and oxidizing substances.

Hazardous Polymerization

Will not occur

Hazardous Decomposition Products

Oxides of carbon, phosphorus, sulfur

11. Toxicological Information

Toxicological Information

No experimental toxicological data on the preparation as such is available.

Component Toxicological Information

Lubricating oils, petroleum, base oils, highly refined
Carcinogenicity. IP 346 <3%
LD50 >5,000 mg/kg (oral rat)
LD50 skin >2,000 mg/kg (skin rbt)
LC50 N/A

12. Ecological Information

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

13. Disposal Considerations

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

14. Transportation Information

DOT Road Shipment Information

Not subject to DOT.

Air Shipment (IATA)

Not subject to IATA regulations.

Ocean Shipment (IMDG)

Not subject to IMDG code.

15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

US Federal Regulations

Lubricating oils, petroleum, base oils, highly refined

SARA 302 No

CERCLA No

SARA 313 No

Lithium complex thickener

SARA 302 No

CERCLA No

SARA 313 No

Phosphorodithioic acid, O,O-DI-C1-14-alkyl esters, zinc salts

SARA 302 No

CERCLA ***

SARA 313 N982 - Zn

Antimony dialkydithiocarbamate

SARA 302 No

CERCLA ***

SARA 313 N010 - Ab

*** Indicates that no RQ is assigned to this generic or broad class, although the class is a CERCLA hazardous substance. See Federal Register 13456 (April 4, 1985).

Values in Section 313 column represent Category Codes for reporting under Section 313.

California Proposition 65

This product DOES NOT contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

Minnesota

Phosphorodithioic acid, O,O-DI-C1-14-alkyl esters, zinc salts

Antimony dialkydithiocarbamate

New Jersey

Lubricating oils, petroleum, base oils, highly refined

Phosphorodithioic acid, O,O-DI-C1-14-alkyl esters, zinc salts

Pennsylvania

Lubricating oils, petroleum, base oils, highly refined
Phosphorodithioic acid, O,O-DI-C1-14-alkyl esters, zinc salts
Antimony dialkydithiocarbamate

Pennsylvania Right-to-Know

This product contains the following chemicals that the state of Pennsylvania has identified as Special Hazardous Substances (SHS), Environmental Hazards (EH), or both (ESHS). The PA regulations require that the MSDS identify all SHS or EH chemicals by chemical name, common name, and CAS Number if they comprise 0.01% or more.

Zinc compounds regulated under CERCLA and SARA 313, Environmental Hazard
Antimony compounds regulated under CERCLA and SARA 313, Environmental Hazard

Composition Comments

The base oil for this product can be a mixture of any of the following highly refined petroleum streams:

64741-88-4; 64741-89-5; 64741-96-4; 64741-97-5; 64742-01-4; 64742-52-5; 64742-53-6;
64742-54-7; 64742-55-8; 64742-56-9; 64742-57-0; 64742-62-7; 64742-63-8; 64742-65-0;
72623-83-7; 72623-85-9; 72623-86-0; 72623-87-1

Carcinogenicity: The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, solvent dewaxing and hydrotreating to remove aromatics and improve performance characteristics. None of the oils used are listed as a carcinogen by NTP, IARC, or OSHA.

16. Other Information

Disclaimer

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.