

ANDEROL® Company
Specialty Lubricants

24 Hour Emergency Number: 908-738-3570
24 Hour CHEMTREC Number: 800-424-9300

Approval Date: May 21, 1996
Print Date: June 05, 1997

Cust: 44384006
MSDS Number: 0820786 BL-23

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : ANDEROL® 786 Synthetic EP Grease
Synonyms : Diester-Based Grease
Product Use/Class: Extreme pressure grease

Supplier/Manufacturer:

ANDEROL® Company
Merry Lane
P.O. Box 518
E. Hanover, NJ 07936-0518
Environmental and Regulatory Affairs, Information Number: 201-887-7410

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

	CAS Number	Wt. %
NJTSR No. 56705700001-5857P	Trade Secret	10 - 30 %
Barium dinonylnaphthalenesulfonate	025619-56-1	1 - 5 %
Propylene carbonate	000108-32-7	1 - 5 %
Silica, crystalline (quartz)	014808-60-7	.1 - 1 %

See Section 8 for Exposure Guidelines

3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***:

Causes eye irritation. May cause skin irritation.

POTENTIAL HEALTH EFFECTS

Eye Contact:

Severely irritating. May cause tearing, reddening and/or swelling.

Skin Contact:

Slightly irritating. Prolonged or repeated contact may result in defatting and drying of the skin causing skin irritation and dermatitis (rash).

Inhalation:

Vapors from hot processing or mists may cause irritation.

Ingestion:

No hazard expected in normal use. Aspiration of this product into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

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3. HAZARDS IDENTIFICATION (CONTINUED)

General:

Overexposure to crystalline silica dust may cause lung effects (silicosis) and may cause lung cancer (IARC, OSHA) based on animal testing. Because this product is a synthetic grease, dust inhalation is not an expected route of exposure.

4. FIRST AID MEASURES

FIRST AID

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Obtain medical attention.

Skin Contact:

Wash with soap and water.

Inhalation:

Remove to fresh air. If not breathing, give CPR. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion:

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point: > 400 °F

Lower Explosive Limit: Not available

Flash Point Method: ASTM D92

Upper Explosive Limit: Not available

Other Flammable Properties:

Can burn in fire forming carbon dioxide and some carbon monoxide.

Extinguishing Media:

Use water spray or fog, foam, dry chemical or CO2.

Fire Fighting Procedures:

As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.

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6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Ventilate area. Absorb spill with inert material and place in a chemical waste container. Obey relevant local, state and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil. Use personal protective equipment as described in Section 8.

7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing.

Storage:

Store in a cool, dry place. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

	Value	Limit	Reference
NIJTSR No. 56705700001-5857P	5 mg/m3 (mist)	TWA	OSHA/ACGIH
	N.E.	STEL	OSHA/ACGIH
Barium dinonylnaphthalenesulfonate	N.E.	TWA	OSHA/ACGIH
	N.E.	STEL	OSHA/ACGIH

Propylene carbonate

Engineering Controls:

Use adequate ventilation.

Respiratory Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye Protection:

Use chemical splash goggles.

Skin Protection:

Use impermeable gloves to minimize skin contact.

Other Protective Equipment:

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure : NA
Vapor Density (Air = 1) : Is heavier than air
Specific Gravity : 0.94
Boiling Point : >660 F
pH : NA
Pour/Dropping Point : 525 F
Evaporation Rate : Is slower than Butyl Acetate

Other Properties:

Brown. Dark Grease. Mild sulfide odor. Solubility in water: Negligible.

10. STABILITY AND REACTIVITY

Stability:

This product is stable under normal storage conditions.

Hazardous Polymerization:

Will not occur under normal conditions.

Conditions To Avoid:

Not Applicable.

Incompatibility With Other Materials:

Oxidizing materials.

11. TOXICOLOGICAL PROPERTIES

Other Toxicological Information:

A product containing barium dinonylnaphthalenesulfonate (025619-56-1) at a 50 percent concentration was found to be a minimal skin sensitizer according to guinea pig testing. However, that same product was not a skin sensitizer in testing conducted at a concentration of 7.5 percent active ingredient. Therefore, it is believed that this product is not a skin sensitizer.

12. ECOLOGICAL INFORMATION

Ecological Information:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit.

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13. DISPOSAL CONSIDERATIONS**Disposal Method:**

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method.

14. TRANSPORTATION INFORMATION**U.S. DOT Transport Information**

Proper Shipping Name: Not regulated

15. REGULATORY INFORMATION**U.S. Federal Regulations****OSHA:**

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

SARA Section 311/312:

Hazard Classifications: Immediate (acute)

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

	CAS Number	Wt. %
Barium compounds	Not Available	5(max)

TSCA:

This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following substances subject to export notification under Section 12(b) of TSCA:

None

State Regulations**California (Proposition 65):**

This product contains the following substances known to the State of California to cause cancer:

	CAS Number	Wt. %
Warning: Contains Silica, crystalline (quartz)	014808-60-7	0.1

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15. REGULATORY INFORMATION (CONTINUED)

This product contains the following substances known to the State of California to cause adverse reproductive effects:

None

16. OTHER INFORMATION

HMIS Ratings: Health - 2 Flammability - 1 Reactivity - 0

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, * = Chronic health hazard, N = No rating for powders

Key to abbreviations used:

NA Not applicable

NAV Not available

NE Not established

NJTSR No. New Jersey Trade Secret Registry Number

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Revision Summary:

This is the first issue of this MSDS in the ANSI Z400.1-1993 format.

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