

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standards 29 CRP 1910.1200. Standards must be consulted for specific requirements.

Section I**Manufacturer's Name & Address:**

Sealers, Inc.
5017 S. 38th St.
St. Louis, MO 63116

Emergency Telephone Number:

(314) 752-4667

Product Name

Anti-Ox Grease

Product Code

255164 - 05164

Product Appearance and Odor

Smooth dark green grease
Mild, bland odor

Date Prepared:

01/01/2015

Section II - HAZARDOUS INGREDIENTS**Components****CAS No. of Components****Approximate Concentration**

Lubricating Oil Base Stocks

64742-54-7 or 64742-65-0
and
64741-96-4 and 64742-57-0

Greater than 93%

Lithium complex soap thickener

Mixture

Proprietary additives

Mixture

Less than 7%

Hazardous Materials Identification System (HMIS)

Health Flammability Reactivity
1 1 0

Basis

Recommended by Sealers Inc.

Exposure Limit for Total Product

5 mg/m3 for oil mist in air

Basis

OSHA Regulation 29 CFR 1910.1000

Section III - PHYSICAL DATA**Boiling Range**

IBP Approximately 310°C (590°F)

Vapor Pressure

Less than 0.01 mm @ 20°C

Specific Gravity (15.6C/15.6C)

0.93

Vapor Density

Greater than 5

Molecular Weight

Not determined

Percent Volatile by Volume

Negligible from open container in
4 hours @ 38°C (110°F)

pH

Essentially Neutral

**Evaporation Rate @ 1 ATM. And 25 C(77°F)
(n-BUTYL ACETATE=1)**

Less than 0.01

Pour, Congealing or Melting Point

260°C plus (500°F plus)
Dropping Point by ASTM D 2265

Solubility in Water @ 1 ATM. and 25 C(77°F)

Negligible; less than 0.1%

Viscosity

285 Worked penetration, mm/10, @ 25°C, ASTM D 217

Section IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (minimum)

221°C (430°F)

ASTM D 92, Cleveland Open Cup

Autoignition Temperature

Greater than 260°C (500°F)

National Fire Protection Association (NFPA) – Hazard Identification

Health Flammability

1

1

Reactivity

0

Basis

Recommended by Sealers, Inc.

Handling Precautions

Use product with caution around heat, sparks, pilot lights, static electricity, and open flame.

Flammable or Explosive Limits (Approximate Percent by Volume in Air)

Estimated values: Lower Flammable Limit 0.9% Upper Flammable Limit 7%

Extinguishing Media and Fire Fighting Procedures

Foam: Water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", Eighth Edition (1984).

Use water spray, dry chemical, foam or carbon dioxide. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for men attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

Decomposition Products Under Fire Conditions

Fumes, smoke, carbon monoxide, metal oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

"Empty" Container Warning

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

Section V - REACTIVITY DATA

This product is stable and will not react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

Section VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Skin Contact () Skin Absorption () Eye Contact () Inhalation () Ingestion ()

Effects of Acute Exposure to Product: n/a

Effects of chronic Exposure to Product: None known.

Exposure Limits:	None established.
Irritability of Product:	None known.
Sensitization to Product:	None known.
Carcinogenicity:	No evidence.
Teratogenicity:	None known
Reproductive Toxicity:	None known
Mutagenicity:	None known
Synergistic Products:	None known

Section VII - PREVENTATIVE MEASURES

Personal Protective Equipment:

Gloves (specify):	Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.
Respirator (specify):	Use supplied-air respiratory protection in confined or enclosed spaces, if needed.
Eye (specify):	Use splash goggles or face shield when eye contact may occur.
Footwear (specify):	Industrial shoes to protect skin from adhesive contact.
Clothing (specify):	Long sleeves, long trousers to protect skin from contact.
Other (specify):	Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

Engineering Controls (specify): (EG, Ventilation Enclosed Process)

n/a

Leak or Spill Procedure:

n/a

Waste Disposal:

Dispose of accordance with all local, state and federal regulations.

Handling Procedures & Equipment:

Wash hands with soap and water before eating.

Storage Requirements:

Keep containers and storage containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

Special Shipping Information:

Class 50

Section VIII - FIRST AID MEASURES

Specific Measures:

Eye Contact:	Get medical help immediately.
Skin contact:	Avoid prolonged or repeated contact with skin.
Inhalation:	Minimize breathing vapor, mist or fumes.
Ingestion:	Not likely, but if ingested, could constipate or create a blockage. Seek medical attention.

Section IX - SARA SECTION 131 SUPPLIER NOTIFICATION

Cas Number:	Complex Mixture, CAS Number not applicable
Chemical Name:	Petroleum Lubricating Grease

Section X - PREPARATION INFORMATION

Prepared By (Group, Department, etc.): Research & Development, Vasu Patel
Phone Number: (314) 752-4667
Date: 01/01/2015

Supersedes All Previous Publications