

MATERIAL SAFETY DATA SHEET

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A. IDENTIFICATION AND EMERGENCY INFORMATION**PRODUCT NAME**

Sealube

PRODUCT CODE

OILSEALUBEP

PRODUCT CATEGORY

Anti-seize compound

PRODUCT APPEARANCE AND ODOR

reddish-brown, semi-fluid grease; little odor

B. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
Castor Oil	68187-84-8	50-75%
Zinc Stearate	557-05-1	5-20%
Hydrotreated heavy paraffinic petroleum distillates	64742-54-7	5-25%

HAZARD MATERIALS IDENTIFICATION SYSTEM (HMIS)

Health Flammability Reactivity

1 1 0

EXPOSURE LIMIT FOR TOTAL PRODUCT

5 mg/m3 for oil mist (aerosol) for an 8 hour day

C. HEALTH HAZARD DATA AND ROUTES OF ENTRY**ROUTES OF ENTRY**

Inhalation? Yes. Skin? Yes. Ingestion? Yes.

HEALTH HAZARD

This product is not considered to be carcinogenic by OSHA, IARC or NTP.

INHALATION

Exposure to high oil mist concentrations may lead to oil pneumonia.

SKIN

Dry skin, irritation or dermatitis may develop on prolonged or repeated contact.

INGESTION

If ingested, DO NOT induce vomiting; call a physician immediately.

EYE CONTACT

If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

INHALATION

Exposure to high oil mist concentrations may lead to oil pneumonia.

D. FIRE AND EXPLOSION HAZARD INFORMATION**FLASH POINT**

ASTM D 92, Cleveland Open Cup

AUTOIGNITION TEMPERATURE

Greater than 260 C (500 F)

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION

Health	Flammability	Reactivity
1	1	0

HANDLING PRECAUTIONS

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

EXTINGUISHING MEDIA

Carbon dioxide, foam, dry chemical, water spray. Water jets or foam may cause frothing and cause material to spread.

SPECIAL FIRE FIGHTING PROCEDURES

Use self-contained breathing apparatus. Keep storage tanks cool using water spray.

UNUSUAL HAZARDS

Decomposition and combustion products may be toxic. Heated tanks and drums may rupture, explode or be thrown into the air.

"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. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner.

E. PHYSICAL DATA

The following data are approximate or typical values and should not be used for precise design purposes.

BOILING POINT

N/A

VAPOR PRESSURE

Nil

SPECIFIC GRAVITY

1.0

VAPOR DENSITY

N/A

SOLUBILITY IN WATER

Slight

PERCENT VOLATILE

0

MELTING POINT

85 F

EVAPORATION RATE

N/A

F. 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, calcium hypochlorite, etc., as this presents a serious explosion hazard.

G. PRECAUTIONS FOR SAFE HANDLING**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Eliminate all ignition sources. Contain spill at source and prevent discharges to streams or sewage systems. Absorb with absorbent material. Clean spill area with detergent solutions. Provide adequate ventilation during clean-up. Avoid unnecessary contact with liquid by use of oil-impervious gloves, boots or other protective clothing. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land area.

WASTE DISPOSAL METHOD

Dispose in accordance with federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid extremes of temperature in storage. Store and use in well-ventilated, dry area away from sources of ignition. Avoid contamination. Do not store in unlabeled containers. Store away from strong oxidizers. Avoid breathing fumes or mist. Provide means of controlling leaks or spills. Bond and ground during liquid transfer.

OTHER PRECAUTIONS

Good personal hygiene is most important. Keep clean. Avoid inhalation and skin and eye contact. Do not continue to wear oil-soaked clothing. Wash before eating. Use emollient cream if needed to counter dry skin.

H. CONTROL MEASURES**RESPIRATORY PROTECTION**

None required for normal conditions. Use approved equipment when exposed to oil mist concentrations above the personal exposure limit.

VENTILATION

Local exhaust recommended where oil mist concentration exceeds TLV.

PROTECTIVE GLOVES

Wear impervious gloves. Neoprene or nitrile rubber recommended.

EYE PROTECTION

In cases where there is likelihood of eye contact, wear splashguard goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Wear gauntlets and apron, especially for transfer of bulk quantities of product.

WORK PRACTICES

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

I. TRANSPORTATION AND OSHA RELATED LABEL INFORMATION**TRANSPORTATION INCIDENT INFORMATION**

For further information relative to spills resulting from transportation incidents, refer to the latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents.

U. S. DOT HAZARDOUS MATERIALS SHIPPING DESCRIPTION

Not required

OSHA REQUIRED LABEL INFORMATION

In compliance with hazard and right-to-know requirements, where applicable OSHA Hazard Warnings may be found on the label, bill of lading or invoice accompanying this shipment.

The information and recommendations contained here are, to the best of Diversified Technology's knowledge and belief, accurate and reliable as of the date issued. Diversified Technology does not warrant or guarantee their accuracy or reliability, and Diversified Technology shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.

Diversified Technology, Inc. assumes no responsibility for injury from the use of the product described herein.