

3. Composition / Information on Ingredients

Ingredients	CAS No.	% by weight
Binder Base *	Mixture	20-50
Aluminum Oxide	1344-28-1	50-75
Glass Fiber	65997-17-3	1-20
Non Hazardous Ingredients		1-20

*Not considered to be hazardous according to regulatory guidelines.

4. First Aid Measures

- Ingestion: DO NOT INGEST. Oral toxicity not determined. Do not induce vomiting. This product contains a petroleum fluid the fluid may be aspirated into the lungs. Call a physician or get medical help immediately. Ingestion not likely to occur in normal use.
- Inhalation: Not likely under normal conditions of use. If using in high temperature applications Where thermal decomposition is likely, use local exhaust to remove fumes. Remove to fresh air. If symptoms persist, dizziness or irritation, seek medical attention.
- Skin Contact: Wash with soap and water, consult physician if symptoms develop.
- Eye Contact: Flush with water 15 minutes. If symptoms persist, seek medical attention.

5. Fire Fighting Measures

- Recommended Extinguishing Agent:
Foam, Dry Chemical, Carbon Dioxide, Water Fog
- Special Fire Fighting Procedures:
Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. (Professionally Trained Personnel).
- Hazardous Products Formed by Fire or Thermal Decomposition:
Oxides of carbon, aldehydes, sulfur oxides, fume, smoke, incomplete combustion products
- Unusual Fire or Explosion Hazards:
Water stream may splash burning liquid and spread fire.
- Compressed Gases: None
- Pressure at Room Temperature: Does not apply

6. Accidental Release Measures

- Steps to be taken in cases of spill or leak:
Wear proper personal protective equipment. Remove any sources of ignition from the area and allow hot surfaces to cool. Return uncontaminated material to metal container and seal container tightly. Dispose of contaminated material or waste.

7. Handling and Storage

- Storage: Cool, dry, storage. Store in closed containers.
- Handling: Avoid contact with skin and eyes. Do not breathe heated vapors. This product in its purchased form does not create an inhalation hazard from fibers or dust. If grinding or sanding or any other process is performed to this compound will cause airborne particles wear appropriate respirator to avoid breathing any dust or vapors. Wear appropriate safety gear as required in work area.

8. Exposure Controls / Personal Protection

Exposure Limits Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Binder Base (when mist can occur)	5mg/m3	5mg/m3	
Aluminum Oxide	1 mg/m3 TWA (respirable fraction)	15 mg/m3 TWA (total dust) 5 mg/m3 TWA (respirable fraction)	

Glass Fiber*	5.00 mg/m3 –inhalable 1 f/cc respirable	15 mg/m3 total dust 5 mg/m3 respirable	
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* Glass fibers in this product are larger than 3.5 microns and are not considered respirable, and if breathed would not enter the lungs.

Personal Protective Equipment (PPE)

Eyes: Safety Glasses

Skin: Chemical resistant gloves.

Respiratory Protection:

NIOSH approved for organic vapors and dust, if product is heated or if dust is airborne.

Other Protective Clothing or Equipment:

Coveralls or other protective clothing. Safety equipment as required in area.

Work / Hygienic Practices:

Avoid contact with skin. Wash hands before eating.

Engineering Controls :

Ventilation: Local exhaust if poorly ventilated area or in confined spaces. (if heated)

9. Chemical and Physical Properties

Appearance:	Light Gray putty-like compound	
Odor:	Faint odor	
pH:	Not Determined	
Solubility in Water:	NIL	
Specific Gravity:	1.85 (H ₂ O =1)	
Evaporation Rate:	Not Applicable	
Boiling Point:	Not Applicable	
Melting Point:	Not Applicable	
Vapor Pressure:	Not Applicable	
Vapor Density:	Not Established	
VOC Content:	None	
Flash Point:	over 540 ⁰ F.	Method: Cleveland Open Cup

Flammable Limits:

LEL: Not Established

UEL: Not Established

10. Stability and Reactivity

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Or By-Products:	Oxides of carbon, aldehydes, sulfur oxides, fume, smoke, incomplete combustion products
Incompatibility:	Strong Oxidizers and Strong Acids

11. Toxicology Information

Primary Routes of Entry: Inhalation and contact.
Signs and Symptoms of Overexposure: **Inhalation:** respiratory irritation.
Eyes: Redness and irritation.
Skin: Chemical dermatitis, redness and itching.

Existing Conditions Aggravated by Exposure: Pre-existing skin condition if prolonged exposure to skin. (Wear chemical resistant gloves) Respiratory disorders, asthma, chronic emphysema (if prolonged and continuous exposure to dust or vapors). Dust exposure is not a hazard with this product under normal use. Product is in a putty-like form. (Organic vapors , Wear recommended respirator if exceeding permissible exposure limit, see section 8)

Carcinogenicity

NTP: NO

IARC: Glass Fiber, Group 3 IARC (Not classifiable as to its carcinogenicity to humans)

OSHA Regulated: NO

Toxicity : Mixture, Not Determined

Acute Health Hazards: **Skin:** Contact on bare skin can cause chemical dermatitis, redness, itching

Inhalation: Irritation if breathing heated vapors.
Chronic Health Hazards: **Inhalation:** None Known

NOTE: THIS PRODUCT IN ITS PURCHASED FORM DOES NOT PRESENT AN INHALATION HAZARD FROM FIBERS OR DUST, AS IT IS A PUTTY-LIKE COMPOUND. FIBERS AND DUST ARE NOT AIRBORN UNDER NORMAL HANDLING.

12. Ecological Information

Not expected to be harmful to aquatic organisms.

13. Disposal Considerations

Recommended Methods of Disposal:

RCRA 40 CFR 261 Classification : This product as purchased does not fall under current US EPA RCRA definitions of Hazardous Waste.

Certain state regulations could affect whether a material is considered a hazardous waste upon disposal. It must also be noted that a material can become a hazardous waste if it is mixed with or comes in contact with a hazardous substance during use. Under RCRA it is the responsibility of user of a product to determine at the time of disposal, whether a material should be classified as a hazardous waste.

14. Transport Information

DOT (49 CFR 172): Not Regulated

IATA : Not Regulated

Liquid / Solid (per ASTM D 4359-90) : Material is a solid

15. REGULATORY INFORMATION

CERCLA HAZARDOUS SUBSTANCES (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR Part 355): This product does not contain any SARA 302 Extremely Hazardous Substances.

SARA TITLE III SECTION 311/312 HAZARDOUS CATEGORIZATION (40 CFR Part 370): Certain ingredients of this product are regulated under Sara Title III Section 311/312, see section 3 of this MSDS.

SARA TITLE III SECTION 313 (40 CFR Part 372): None

U.S. INVENTORY (TSCA): Any chemical substances (as defined in 40 CFR Part 710.2), that are contained in, or used in the manufacture of this product, are reported in the EPA TSCA Inventory. (As required per 40 CFR 710.3)

CALIFORNIA PROPOSITION 65: None

CANADA WHMIS: Ingredient Disclosure List: Aluminum Oxide
 WHMIS Classification: Does not meet criteria for classification.

EUROPEAN UNION : Glass Fibers: CLP Eye Irrit 2, Skin Irrit. 2, STOT SE3, Aluminum Oxide : CLP STOT SE3

OZONE DEPLETERS: * This product is not manufactured with or contains any Class I or Class II Ozone Depleting Chemicals. (ODC's)

NOTE: THIS PRODUCT IN ITS PURCHASED FORM DOES NOT PRESENT AN INHALATION HAZARD FROM FIBERS OR DUST AS IT IS A PUTTY-LIKE COMPOUND. FIBERS AND DUST ARE NOT AIRBORN UNDER NORMAL HANDLING.

16. OTHER INFORMATION

The information contained in this MSDS sheet is based upon data supplied by our suppliers and data determined by us in our facilities at the time these products were formulated. We have reviewed any information that we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety data in this sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. If after reviewing this MSDS you have determined that this product poses unusual risks to you, your plant, or your plant personnel, or if you cannot comply fully with all safety recommendations, do not use this product. This product is intended for a temporary repair. The responsibility for whether or not the product is suitable for use rest solely with the purchaser. We recommend that the product be tested prior to use. Your use of this information is beyond our control, therefore, the information is provided without warranty expressed or implied. We accept no liability beyond the purchase price of the material.

Estimated HMIS® Code:

Health Hazard:	1
Flammability Hazard:	1
Physical Hazard:	0

Personal Protection: NPCA recommends that PPE codes be determined by the employer, who is familiar with the actual conditions under which chemicals in the facility are used.

PREPARATION INFORMATION

Prepared By:	Safety Department
Company:	Jet-Lube LLC / Deacon
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