

4. First Aid Measures

Ingestion: DO NOT INGEST. Oral toxicity not determined.
 Call a physician or get medical help immediately.
 Inhalation: Remove to fresh air. If symptoms persist,
 seek medical attention.
 Skin Contact: Wash with soap and water, consult physician if
 rash develops.
 Eye Contact: Flush with water 15 minutes. If symptoms persist,
 seek medical attention.

5. Fire Fighting Measures

Recommended Extinguishing Agent:
 Not Applicable
 Special Fire Fighting Procedures:
 Not Applicable
 Hazardous Products Formed by Fire
 or Thermal Decomposition:
 None
 Unusual Fire or Explosion Hazards:
 None Known
 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. Return
 uncontaminated material to metal container and seal container tightly.
 Dispose of contaminated material or waste. Sweep up.

7. Handling and Storage

Storage: Dry storage. Store in closed containers.
 Handling: Avoid contact with skin and eyes. Do not breathe dust / fibers.
 Wear appropriate respirator to avoid breathing any dust.
 Wear appropriate safety gear as required in work area.

8. Exposure Controls / Personal Protection

Exposure Limits Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Kaolin	2 mg/m3 (resp. fraction)	5 mg/m3 (resp. fraction)	
Aluminosilicate (respirable ceramic fibers)	0.2 f/cc TLV, 8 hr, TWA		0.5 f/cc, 8 hr. TWA* * (Manufacturer Recommendation)
Titanium Dioxide	10mg/m3 TWA	15mg/m3	

Personal Protective Equipment (PPE)
 Eyes: Safety Glasses
 Full face shield recommended. (If injecting product)
 Skin: Work Gloves.
 Respiratory Protection: NIOSH approved for organic dust.
 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.

9. Chemical and Physical Properties

Appearance:	White Dry Mixture
Odor:	None
pH:	6.7
Solubility in Water:	NIL
Specific Gravity:	Not Applicable
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:	None
	Method: None

Flammable Limits:

LEL:	Not Established
UEL:	Not Established

10. Stability and Reactivity

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Or By-Products:	None
Incompatibility:	Strong Oxidizers and Strong Acids

11. Toxicology Information

Primary Routes of Entry:	Inhalation and contact.
Signs and Symptoms of Overexposure:	Inhalation: Possible dizziness or headaches, 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)

Carcinogenicity

NTP:	Ceramic Fibers, (respirable size) Reasonably Anticipated to be a Carcinogen
IARC:	Ceramic Fibers, (respirable size) 2B Titanium Dioxide, Group 2B IARC
OSHA Regulated:	NO
Toxicity :	Mixture, Not Determined

Acute Health Hazards: **Skin:** Contact on bare skin can cause redness, itching
Inhalation: respiratory irritation.

Chronic Health Hazards: **Inhalation:** Carcinogen. Ceramic Fibers, NTP Reasonably Anticipated to be a Carcinogen

12. Ecological Information

Inorganic product which cannot be eliminated from water by biological purification processes. Virtually insoluble in water, can be separated from water mechanically in suitable effluent treatment plants.

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: Aluminosilicate (ceramic fibers), Titanium Dioxide (airborne particles of respirable size) does not cover titanium dioxide when It is bound within a product matrix.

CANADA WHMIS: Ingredient Disclosure List: Aluminosilicate (ceramic fibers), Titanium Dioxide.

WHMIS Classification : Aluminosilicate (ceramic fibers) D2A, Titanium Dioxide D2A

EUROPEAN UNION : Aluminosilicate (ceramic fibers): CLP 1B carcinogen.,
Carbon Fiber: CLP Eye Irrit. 2, Kaolin : CLP STOT SE3,
Titanium Dioxide: CLP Acute Tox 4, Carc. 2

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

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	* See section 11 for chronic effects.
Flammability Hazard:	0	
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.	

Procedural Warning:

Attn: Technician

(For industrial use by professionally trained personnel only) When the compound is curing, vapors and gasses are given off and should be vented. Steps should be taken to insure that the injection pressure in conjunction with pressure that may occur from gassing off does not exceed the pressure limitations of the piping system. Also, be aware it is quite common that the application temperature will exceed the compound flash point. Be aware of the possibility of a flash and take necessary precautions. Avoid contact with skin and eyes. See section 8 of SDS for personal protective equipment. Ventilation may be needed during heating/curing stage to exhaust organic vapors resulting from vaporization of certain organic agents. Always avoid direct contact with smoke and vapors being emitted from the compound during the heating/curing process. These vapors may be irritating to the skin, eyes and respiratory system. Read product technical data and safety information before use.

PREPARATION INFORMATION

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