

Date Prepared: February 1, 2017

**1. Product and Company Identification**

**Jet-Lube LLC / Deacon**  
**Bldg. #1, West Point Drive**  
**Washington, PA 15301 USA**  
**Phone (724) 225-8008**

**24 Hour Emergency Response Contact:**  
**CHEMTREC (USA and CANADA)**  
**Phone: 800-424-9300 or 703-527-3887**

Product Name: Deacon CJ-429 Paste  
 Product Type: Sealant Refractory Hybrid Compound  
 Product Description: Brownish Thick Fibrous Paste  
 General Use: Injectable Sealant

**2. Hazards Identification**

**GHS Classification :** Carcinogenicity, 1B  
 Skin Irritation, 2  
 Eye Irritation, 2B

**GHS Label Elements :**  
 Signal Word : Warning



**Hazard Statements:**

H315 / 320 Causes Skin and Eye Irritation  
 H303 May be harmful if swallowed  
 H333 May be harmful if inhaled (respirable fibers, see NOTE below)  
 H335 May cause respiratory irritation

**Precautionary Statements :**

P261 Avoid breathing dust/vapors  
 P262 Do not get in eyes, on skin, or on clothing  
 P285 In case of inadequate ventilation wear respiratory protection  
 P281 Use personal protective equipment as required  
 P301/P330/P331 If Swallowed : Rinse mouth, Do NOT induce vomiting.  
 P301/P310 If Swallowed: Immediately call a Poison Center or Physician  
 P333/P313 If skin irritation or rash develops: Get medical attention.  
 P302/P352 If on skin: Wash with plenty of soap and water  
 P305/P351/P338 If in eyes : Rinse cautiously with water for several minutes.  
 Remove contact lenses if easy to do. Continue Rinsing.  
 P337/P313 If eye irritation persists: Get medical attention  
 P342/P311 If experiencing respiratory symptoms : Get medical attention.  
 P233 Keep container tightly closed  
 P210 Keep away from open flames. – No Smoking  
 P501 Dispose of observing all Federal, State and Local regulations.

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

**3. Composition / Information on Ingredients**

Ingredients	CAS No.	% by weight
Aluminosilicate	142844-00-6	1-20
Kaolin	1332-58-7	1-20
Tetraborate Pentahydrate	12179-04-3	< 4
Carbon Fiber	7440-44-0	1-20
Modified Natural Resins	Proprietary	75-100
Titanium Dioxide	13463-67-7	<1

**4. First Aid Measures**

Ingestion: DO NOT INGEST. Do NOT induce vomiting. 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:  
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:  
CO, CO<sub>2</sub>, H<sub>2</sub>S, SO<sub>2</sub>, Hydrogen, Smoke, Incomplete Combustion Products

Unusual Fire or Explosion Hazards:  
Closed containers may rupture when exposed to extreme heat or fire conditions

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. Clean up with warm water then mineral spirits.

**7. Handling and Storage**

Storage: Cool, dry, storage below 90 degrees F. Store in closed containers. Refrigerate for best shelf life. Do not store in aluminum, fiberglass, copper, brass, zinc, tin or galvanized containers. Store in steel or plastic.

Handling: Avoid contact with skin and eyes. Do not breathe 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
Tetraborate Pentahydrate	2 mg/m3 (TWA)	15 mg/m3 (total dust) 5 mg/m3 (respirable dust)	
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) (California PEL is 0.2 f/cc, 8 hr TWA)	
Carbon Fiber	N/E	N/E	
Modified Natural Resins	10mg/m3	15mg/m3	
Titanium Dioxide	10mg/m3 TWA	15mg/m3	

**Personal Protective Equipment (PPE)**

Eyes: Safety Glasses

Full face shield recommended. (during injection process)

Skin: Chemical resistant gloves.

Respiratory Protection: NIOSH approved for organic vapors and 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.  
Ventilation should be provided during heat up to exhaust organic vapors resulting from vaporization of certain organic agents**9. Chemical and Physical Properties**

Appearance:	Brown Fibrous Paste	
Odor:	Pungent like odor	
pH:	11.5	
Solubility in Water:	NIL	
Specific Gravity:	1.3 (compressed, uncured) (H2O =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 400 <sup>0</sup> 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:	CO, CO2, H2S, SO2, Hydrogen, Smoke, Incomplete Combustion Products
Incompatibility:	Strong Oxidizers and Strong Acids, Mineral Acids, Alkalies,

**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 or vapors). Dust exposure is not a hazard with this product under normal use. Product is in a paste form. (Organic vapors , Wear recommended respirator if exceeding permissible exposure limit, see section 8)

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 chemical dermatitis, redness, itching

**Inhalation:** Heated vapors can cause respiratory irritation.

Chronic Health Hazards: **Inhalation:** Carcinogen. Ceramic Fibers, NTP Reasonably Anticipated to be a Carcinogen (See **NOTE** Below)

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**12. Ecological Information**

No information is available.

**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. (see NOTE below)

CANADA WHMIS: Ingredient Disclosure List: Aluminosilicate (ceramic fibers), Titanium Dioxide,  
Tetraborate Pentahydrate (Sodium tetraborate)

WHMIS Classification : Aluminosilicate (ceramic fibers) D2A, Titanium Dioxide D2A  
Tetraborate Pentahydrate (Sodium tetraborate) D2A

EUROPEAN UNION : Aluminosilicate (ceramic fibers): CLP 1B carcinogen.,  
Carbon Fiber: CLP Eye Irrit. 2, Kaolin : CLP STOT SE3, Tetraborate Pentahydrate: CLP Eye Irrit 2,  
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)

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**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:	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.	

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
Revision Date:	05-01-15 Revision: C