

Date Prepared: January 1, 2012

Deacon Industries, Inc.

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I. PRODUCT IDENTIFICATION

Product Name: Deacon 3300
Product Type: Extruded High Temp Gasket Material
Product Code: NE3300

II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Ingredients	CAS No.	% (optional)
Hydrous Aluminum Silicate	None	
Aluminosilicate	142844-00-6	
* Modified Natural Resins		
* Specific identity is being withheld as a trade secret. All pertinent safety information is included. Has been submitted to the Pennsylvania Dept. of Labor.		

III. CHEMICAL AND PHYSICAL PROPERTIES

Appearance:	Brownish color, dense paste
Odor:	Mild Odor
pH:	10.7
Solubility in Water:	NIL
Specific Gravity:	1.61(compressed, uncured) (H2O =1)
Evaporation Rate:	Not Applicable
Boiling Point:	Not Applicable
Melting Point:	Not Applicable
Vapor Pressure:	Not Established
Vapor Density:	Not Established
VOC Content:	None

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: 356° F. Method: Cleveland Open Cup
Auto ignition Temperature: 1133° F.
Estimated HMIS® Code:

Health Hazard:	* 1	* See section XI 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.	

Flammable Limits:

LEL:	Not Established
UEL:	Not Established

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES (continued)

Recommended Extinguishing Agent:	Foam, Water Fog, Dry Chemical, Carbon Dioxide
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, CO2, Various Hydrocarbon Gases, H2S, SO2
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

V. SPILL OR LEAK AND DISPOSAL PROCEDURES

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.
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Recommended Methods of Disposal: If discarded in its purchased form, this material would not be considered a hazardous waste by RCRA listing. It is recommended that if this product in its purchased form is going to become a waste, that it be incinerated by a licensed waste disposal company, observing all Federal, State and Local regulations. Additionally, 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.

VI. STORAGE AND HANDLING PROCEDURES

Storage:	Cool, dry, storage below 90 degrees F. 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. 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.

VII. SHIPPING REGULATION

DOT (49 CFR 172):	
Proper Shipping Name:	Not Regulated
Hazard Class or Division:	Not Applicable
Identification Number:	Not Applicable

VIII. REACTIVITY DATA

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition or By-Products:	CO, CO2, Various hydrocarbon gases, H2S, SO2
Incompatibility:	Strong Oxidizers and Strong Acids, Mineral Acids, Alkalies. Do not store in aluminum, fiberglass, copper, brass, zinc, tin or galvanized containers. Store in steel or plastic.

IX. EMERGENCY TREATMENT PROCEDURES

Ingestion:	DO NOT INGEST. Oral toxicity not determined. Do not induce vomiting. 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.

X. PERSONAL PROTECTION

Eyes:	Full face shield recommended.
Skin:	Chemical resistant gloves.
Respiratory Protection:	NIOSH approved for organic vapors and dust.
Ventilation:	Local exhaust if poorly ventilated area or in confined spaces.
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.

XI. HEALTH HAZARD DATA

Primary Routes of Entry:	Inhalation and contact.
Signs and Symptoms of Exposure:	Inhalation: Possible dizziness or headaches. 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. Dust exposure is not a hazard with this product under normal use. Product is in a putty-like form.(Organic Vapors ,Wear recommended respirator, see section X)
Carcinoginity	
NTP:	Crystalline Silica (respirable size) 2A, Ceramic Fibers, (respirable size) 2B
IARC:	Crystalline Silica Group 1 IARC
OSHA Regulated:	NO
Toxicity:	Not Determined

XI. HEALTH HAZARD DATA (continued)

Acute Health Hazards: **Skin:** Contact on bare skin can cause chemical dermatitis, redness, itching
Inhalation: Breathing excessive vapors may cause dizziness or headaches.

Chronic Health Hazards: **Inhalation:** Crystalline Silica, respirable size NTP Known Carcinogen
 Ceramic Fibers, NTP Suspected Carcinogen. **See note below.**

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.

Exposure Limits Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Hydrous Aluminum Silicate (Crystalline Silica 14-24% of Hydrous Aluminum Silicate)	2mg/m ³ TWA Respirable Fraction 0.05 mg/m ³ TWA	10mg/m TWA Total Dust 0.05 mg/m ³ TWA	
Aluminosilicate	N/E	N/E	0.5 f/cc, 8 hr. TWA* * (Manufacturer Recommendation)
Modified Natural Resins	10mg/m ³	15mg/m ³	

XII 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 II of this MSDS.

SARA TITLE III SECTION 313 (40 CFR Part 372): This product does not contain any SARA 302 Extremely Hazardous Substances.

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: Crystalline Silica (14-24% of Hydrous Aluminum Silicate), Aluminosilicate (ceramic fibers)

CANADA WHMIS: RCF (Aluminosilicate) is classified as Class D2A CEPA: RCF (Aluminosilicate) classified as probable carcinogen. Ingredient Disclosure List: Crystalline Silica, quartz (14 – 24 % of Hydrous Aluminum Silicate)

EUROPEAN UNION: European Directive 97/69/EC classified RCF (Aluminosilicate) as a Category 2 carcinogen; that is it “should be regarded as if it is carcinogenic to man.”

XII. REGULATORY INFORMATION (continued)

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.

XIII. 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.

XIV. PREPARATION INFORMATION

Prepared By:	Safety Department
Company:	Deacon Industries, Inc.
Revision Date:	02-01-03 Revision: C