

Permatex, Inc.  
 10 Columbus Blvd.  
 Hartford, CT 06106 USA  
 Telephone: 1-87-Permatex  
 (877) 376-2839  
 Emergency: 800-255-3924 (ChemTel)  
 International Emergency: +01-813-248-0585

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** 2BR FORM A GASKET #2 SEALANT 3OZ  
**Item No:** 80016  
**Product Type:** Sealant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
KAOLIN 1332-58-7	50-60	2 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
VEGETABLE OIL 68187-84-8	15-25	5 mg/m <sup>3</sup>	Not listed
ROSIN 8050-09-7	10-20	Not listed	Not listed
ETHANOL 64-17-5	<10	1000 ppm	1000 ppm; 1900 mg/m <sup>3</sup>
2-PROPANOL 67-63-0	<2	200 ppm	400 ppm; 980 mg/m <sup>3</sup>
CRYSTALLINE SILICA 14808-60-7	0.1-1.0	0.025 mg/m <sup>3</sup>	Not listed
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
METHANOL 67-56-1	0.1-1.0	200 ppm	200 ppm; 260 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye, skin and respiratory irritation. This product contains encapsulated silicon dioxide (quartz silica). No exposure to free respirable silica is anticipated during normal use of this product. Silica may be released by grinding or machining of coated material. Use NIOSH-approved dust/mist respirator when grinding or machining.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation

**Signs and Symptoms of Exposure:** Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Overexposure may cause eye and skin redness.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
KAOLIN 1332-58-7	50-60		A4-Not classifiable as a human carcinogen	
ETHANOL 64-17-5	<10		A4 - Not Classifiable as a Human Carcinogen	
2-PROPANOL 67-63-0	<2		A4 - Not classifiable as a human carcinogen	Group 3 Monograph 71, 1999; Supp.7, 1987; Monograph 15, 1977
CRYSTALLINE SILICA 14808-60-7	0.1-1.0		A2 - Suspected Human Carcinogen	Group 1 Monograph 68, 1997 (inhalation of quartz)
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989

**Medical Conditions Recognized as Being Aggravated by Exposure:** Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

### 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Eye Contact:</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

#### 5. FIRE FIGHTING MEASURES

<b>Flash Point °F(C°):</b>	Does not apply. Per ASTM D4359 this product is a solid.
<b>Recommended Extinguishing Media:</b>	Carbon Dioxide, Dry Chemicals, Foam.
<b>Special Fire-Fighting Procedures:</b>	Firefighters should wear self-contained breathing apparatus. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Aldehydes, Carboxylic acids
<b>Unusual Fire/Explosion Hazards:</b>	Closed containers may rupture or explode when exposed to extreme heat
<b>Lower Explosive Limit:</b>	Not determined
<b>Upper Explosive Limit:</b>	Not determined

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Spill Procedures:</b>	Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Residues may be cleaned up with isopropyl alcohol.
--------------------------	---

#### 7. HANDLING AND STORAGE

<b>Storage:</b>	Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).
<b>Handling:</b>	Avoid contact with skin and eyes. Do not inhale vapors. Wash thoroughly after handling. Keep container closed when not in use.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eyes:</b>	Safety glasses.
<b>Skin:</b>	Neoprene or nitrile gloves recommended.
<b>Ventilation:</b>	General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.
<b>Respiratory Protection:</b>	An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Reddish brown paste
<b>Odor:</b>	Alcoholic
<b>Boiling Point:</b>	180°F
<b>pH:</b>	Does not apply
<b>Solubility in Water:</b>	Partial
<b>Specific Gravity:</b>	1.5
<b>VOC(Wt.%):</b>	11 %; 165.4 g/L
<b>Vapor Pressure:</b>	33 mm Hg @ 68°F
<b>Vapor Density (Air=1):</b>	2.07
<b>Evaporation Rate:</b>	7.7 (ether = 1)

#### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable at normal conditions
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatibilities:</b>	Strong oxidizers
<b>Conditions to Avoid:</b>	Keep away from heat, sparks and open flame.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Aldehydes, Carboxylic acids

#### 11. TOXICOLOGICAL INFORMATION

See Section 3

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations..  
**US EPA Waste Number:** NH - Not a RCRA Hazardous Waste Material

## 14. TRANSPORTATION INFORMATION

### DOT (49CFR 172)

#### Ground Transport (DOT)

**DOT Shipping Name:** Not regulated  
**Hazard Class:** None  
**UN/ID Number:** None

#### IATA

**Proper Shipping Name:** Not regulated  
**Class or Division:** None  
**UN/ID Number:** None

#### IMDG

**Proper Shipping:** Not regulated  
**Hazard Class:** None  
**UN Number:** None

**Marine Pollutant:** None

## 15. REGULATORY INFORMATION

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

NONE

**California Proposition 65:** No California Prop 65 chemicals are known to be present.

**TSCA Inventory Status:** All components of this product are listed (or exempt) on the EPA TSCA inventory.

## 16. OTHER INFORMATION

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 1, REACTIVITY 0.

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

**Prepared By:** Denise Boyd, Manager-Environmental, Health & Safety  
**Company:** Permatex, Inc. 10 Columbus Blvd. Hartford, CT USA 06106

**Revision Date:** October 28, 2010

**Revision Number:** 3

**Telephone No.:** 1-87-Permatex (877) 376-2839