

ITW Permatex  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** 1AR 1 1/2 OZ FORM A GASKET #1 SEALANT 1.5 OZ.  
**Item No:** 80007  
**Product Type:** Sealant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
KAOLIN 1332-58-7	40-60	2 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
ROSIN 8050-09-7	20-30	Not listed	Not listed
ETHANOL 64-17-5	10-30	1000 ppm	1000 ppm; 1900 mg/m <sup>3</sup>
VEGETABLE OIL 68187-84-8	<5	5 mg/m <sup>3</sup>	Not listed
2-PROPANOL 67-63-0	<2	200 ppm	400 ppm; 980 mg/m <sup>3</sup>
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.  
**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 Carcinogen
KAOLIN 1332-58-7	40-60		A4-Not classifiable as a human carcinogen	
ETHANOL 64-17-5	10-30		A4 - Not Classifiable as a Human Carcinogen	Group 1; Monograph 100E, Monograph 96 (2010)
2-PROPANOL 67-63-0	<2		A4 - Not classifiable as a human carcinogen	Group 3 Monograph 71, 1999; Supp.7, 1987; Monograph 15, 1977
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

**Aggravated Medical Condition:** Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

### 4. FIRST AID MEASURES

**Ingestion:** If swallowed, do not induce vomiting - seek medical advice. Never give anything by mouth to an unconscious person.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Get medical attention/advice if you feel unwell.  
**Skin Contact:** Wash off with soap and water. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.  
**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

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## 5. FIRE FIGHTING MEASURES

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

**Lower Explosive Limit:** n/d  
**Upper Explosive Limit:** n/d

## 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** 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

**Storage:** Store away from heat.  
**Handling:** Avoid contact with skin and eyes. Do not inhale vapors. Wash hands before eating and smoking. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses.  
**Skin:** Neoprene or nitrile gloves recommended.  
**Ventilation:** Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.  
**Respiratory Protection:** An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Reddish brown paste  
**Odor:** Alcohol  
**Boiling Point:** >180°F  
**pH:** Does not apply  
**Solubility in Water:** Soluble  
**Specific Gravity:** 1.4-1.5  
**VOC(Wt.%):** 13.5%  
**Vapor Pressure:** 33 mmHg @ 68°F  
**Vapor Density (Air=1):** 2.07  
**Evaporation Rate:** 7.7 (ether = 1)

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at normal conditions  
**Hazardous Polymerization:** Will not occur  
**Incompatibilities:** Strong oxidizers  
**Conditions to Avoid:** Keep away from heat, sparks and open flame. - No smoking  
**Hazardous Products of Combustion:** 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)

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## 14. TRANSPORTATION INFORMATION

### U.S. Department of Transportation - DOT - 49 CFR (Ground)

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

### IATA (Air)

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

### IMDG (Vessel)

**Proper Shipping Name:** 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:** WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm

**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 Association)

(HMIS is a registered trademark of the National Paint and Coatings Association)

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