

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

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** 34A VALVE GRINDING COMPOUND 1.5OZ  
**Item No:** 80036  
**Product Type:** Aqueous dispersion

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	ACGIH TLV:	OSHA PEL:
WATER 7732-18-5	40-50	Not Listed	Not Listed
SILICON CARBIDE 409-21-2	35-45	10 mg/m <sup>3</sup> inhal nonfibrous; 3 mg/m <sup>3</sup> respir nonfibrous TWA	15 mg/m <sup>3</sup> total dust; 5 mg/m <sup>3</sup> respir. TWA
ETHYLENE GLYCOL 107-21-1	10-20	100 mg/m <sup>3</sup> ceiling (aerosol only)	50 ppm ceiling; 125 mg/m <sup>3</sup> ceiling
CASTOR OIL 8001-79-4	1-5	Not Listed	Not Listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye, skin and respiratory irritation. Moderately toxic by ingestion.  
**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation  
**Signs and Symptoms of Exposure:** Glycol gives initial central nervous system stimulation followed by depression.. Skin redness.

Ingredient	Weight Percent	NTP	ACGIH Carcinogens	IARC
SILICON CARBIDE 409-21-2	35-45		A2 Suspected Human Carcinogen (fibrous only)	
ETHYLENE GLYCOL 107-21-1	10-20	male mice-no evidence; female mice-no evidence	A4 - not classifiable as a human carcinogen (aerosol)	

**Medical Conditions Recognized as Being Aggravated by Exposure:** None known.

### 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.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.  
**Skin Contact:** Wash off with soap and water. 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.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** None  
**Recommended Extinguishing Media:** Water, Dry chemical, Carbon dioxide, foam  
**Special Fire-Fighting Procedures:** No special procedures.  
**Hazardous Products of Combustion:** Oxides of carbon  
**Unusual Fire/Explosion Hazards:** None.

**Lower Explosive Limit:** 3.2: Ethylene glycol  
**Upper Explosive Limit:** 15.3: Ethylene glycol

### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Residues may be cleaned up with soap and water.

## **7. HANDLING AND STORAGE**

**Storage:** Do not allow freezing.  
**Handling:** Avoid prolonged skin contact. Keep away from eyes.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses  
**Skin:** Rubber or plastic gloves.  
**Ventilation:** 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.  
**Respiratory Protection:** Not required under normal use. In case of insufficient ventilation, wear suitable respiratory equipment.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Grey paste  
**Odor:** Slight  
**Boiling Point:** 212°F  
**pH:** Mildly basic  
**Solubility in Water:** SOLUBLE  
**Specific Gravity:** 1.36  
**VOC Content(Wt.%):** 0  
**Vapor Pressure:** Not Determined  
**Vapor Density (Air=1):** Heavier than air  
**Evaporation Rate:** <1 (butyl acetate = 1)

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at normal conditions  
**Hazardous Polymerization:** WILL NOT OCCUR.  
**Incompatibilities:** Strong oxidizers  
**Conditions to Avoid:** Heat  
**Hazardous Products of Combustion:** Oxides of carbon

## **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)**

### **Domestic Ground Transport**

**DOT Shipping Name:** Unrestricted  
**Hazard Class:** None  
**UN/ID Number:** None  
**Marine Pollutant:** None

### **IATA**

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

### **IMDG**

**Proper Shipping:** Unrestricted  
**Hazard Class:** None  
**UN Number:** None

**Product Name:** 34A VALVE GRINDING COMPOUND  
1.5OZ

**Item No:** 80036

## **15. REGULATORY INFORMATION**

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

ETHYLENE GLYCOL

### **CALIFORNIA PROP 65:**

WARNING: This product contains a chemical known to the State of California to cause cancer.

### **TSCA Inventory Status:**

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

## **16. OTHER INFORMATION**

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

**Estimated HMIS Classification:** HEALTH 1, FLAMMABILITY 0, 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, Health and Safety Manager

**Company:** Permatex, Inc. 10 Columbus Blvd. Hartford, CT USA 06106

**Revision Date:** February/09/2007

**Revision** 3

**Number:**