

ITW Permatex  
 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:** MOTO-SEAL 1 ULTIMATE GASKET MAKER GREY 80 ML  
**Item No:** 29132  
**Product Type:** Adhesive

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
XYLENE 1330-20-7	25-35	100 ppm	100 ppm; 435 mg/m <sup>3</sup>
CALCIUM CARBONATE 471-34-1	20-30	10 mg/m <sup>3</sup>	Not listed
POLYETHYLENE-BASED RUBBER 68037-39-8	10-20	Not listed	Not listed
2-BUTOXYETHANOL 111-76-2	10-20	20 ppm	50 ppm; 240 mg/m <sup>3</sup>
ETHYL BENZENE 100-41-4	<5	100 ppm	100 ppm; 435 mg/m <sup>3</sup>
TITANIUM DIOXIDE 13463-67-7	<2	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Exposure to 2-butoxyethanol can cause nausea, dizziness, vomiting, malaise, incoordination, diarrhea, weakness, eye redness and swelling of conjunctiva.  
**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation  
**Signs and Symptoms of Exposure:** Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Ingestion may cause cramps or diarrhea. Inhaling may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Overexposure may cause eye and skin redness.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
XYLENE 1330-20-7	25-35	male rat-no evidence; female rat-no evidence; male mice- no evidence; female mice-no evidence	A4 - Not Classifiable as a Human Carcinogen	Group 3: Monograph 71, 1999; Monograph 47, 1989
2-BUTOXYETHANOL 111-76-2	10-20	male rat-no evidence; female rat-equivocal evidence; male mice- some evidence; female mice-some evidence	A3	Group 3; Monograph 88, 2006
ETHYL BENZENE 100-41-4	<5	male rat-clear evidence; female rat- some evidence; male mice-some evidence; female mice-some evidence	A3 Confirmed animal carcinogen with unknown relevance to humans	Group 2B Monograph 77, 2000
TITANIUM DIOXIDE 13463-67-7	<2	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989

**Aggravated Medical Condition:** Persons with respiratory problems such as emphysema and asthma should avoid inhalation. Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

#### 4. FIRST AID MEASURES

<b>Ingestion:</b>	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.
<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 with soap and water. If skin irritation persists, call a physician.
<b>Eye Contact:</b>	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>	87°F TCC
<b>Recommended Extinguishing Media:</b>	Carbon dioxide, Dry chemical, Foam
<b>Special Fire-Fighting Procedures:</b>	Firefighters should wear self-contained breathing apparatus.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Hydrogen chloride, Organic acid vapors., Oxides of sulfur, Aldehydes, Alcohols
<b>Unusual Fire/Explosion Hazards:</b>	Vapors may travel from container toward sources of ignition and flashback. Heated cans may burst.
<b>Lower Explosive Limit:</b>	Xylene: 0.9; 2-Butoxyethanol: 1.1
<b>Upper Explosive Limit:</b>	Xylene: 7; 2-Butoxyethanol: 10.6; Ethylbenzene: 6.7

#### 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.
--------------------------	--

#### 7. HANDLING AND STORAGE

<b>Storage:</b>	Store in a cool, dry area. Avoid high heat sources, open flame and welding areas. Do not store near strong oxidizers such as liquid chlorine.
<b>Handling:</b>	Do not use near heat, sparks or open flame. Avoid contact with skin and eyes. Use only in a well ventilated area. Wash hands before eating and smoking.

#### 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>	Gray liquid
<b>Odor:</b>	Aromatic
<b>Boiling Point:</b>	Not determined
<b>pH:</b>	Does not apply
<b>Solubility in Water:</b>	Insoluble
<b>Specific Gravity:</b>	1.189
<b>VOC(Wt.%):</b>	44.22%; 524 g/l
<b>Vapor Pressure:</b>	Not Determined
<b>Vapor Density (Air=1):</b>	<1
<b>Evaporation Rate:</b>	Not Determined

#### 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. - No smoking.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Hydrogen chloride, Organic acid vapors., Oxides of sulfur, Aldehydes, Alcohols

#### 11. TOXICOLOGICAL INFORMATION

See Section 3

**Product Name:** MOTO-SEAL 1 ULTIMATE GASKET MAKER  
GREY 80 ML

**Item No.** 29132

## 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:** D001 as per 40CFR 261.21

## 14. TRANSPORTATION INFORMATION

### DOT (49CFR 172)

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

**DOT Shipping Name:** Adhesives, Limited Quantity  
**Hazard Class:** Class 3 PGIII  
**UN/ID Number:** UN 1133

### IATA (Air)

**Proper Shipping Name:** Consumer Commodity (Not more than 1 liter)  
**Class or Division:** Class 9  
**UN/ID Number:** ID 8000

### IMDG (Vessel)

**Proper Shipping Name:** Adhesives, Limited Quantity  
**Hazard Class:** Class 3, PGIII  
**UN Number:** UN 1133

**Marine Pollutant:** None

## 15. REGULATORY INFORMATION

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

XYLENE, 2-BUTOXYETHANOL, ETHYL BENZENE

**California Proposition 65:** WARNING: This product contains chemicals known to the State of California to cause cancer and 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 3, REACTIVITY 0.

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 3, 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

**Prepared By:** Denise Boyd, Manager-Environmental, Health & Safety  
**Company:** ITW Permatex 10 Columbus Blvd. Hartford, CT USA 06106  
**Telephone No.:** 1-87-Permatex (877) 376-2839

**Revision Date:** April 26, 2012  
**Revision Number:** 5