

ITW Permatex  
 Devcon Brand  
 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:** DEVCON MAGNUM MULTI PUTTY (BLACK)  
**Product Type:** Epoxy

This product appears in the following stock number(s):  
 80003VC

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
LIMESTONE 1317-65-3	30-60	Not listed	15 mg/m <sup>3</sup>
MAGNESIUM SILICATE 14807-96-6	30-60	2 mg/m <sup>3</sup>	20 mppcf
POLYMERCAPTAN CURING AGENT Proprietary	10-30	Not listed	Not listed
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	10-30	Not listed	Not listed
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>

### 3. HAZARDS IDENTIFICATION

**Toxicity:** This material is irritating to skin, eyes and mucous membranes. May cause skin sensitization. High concentrations may cause central nervous system (CNS) depression.

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

**Signs and Symptoms of Exposure:** May cause pain, redness or swelling of the eyes and excessive blinking and tear production. Skin redness. Can burn mouth, throat, and stomach. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Repeated skin contact may cause allergic skin reactions.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
MAGNESIUM SILICATE 14807-96-6	30-60	male rat-some evidence, female rat-clear evidence, male mice-no evidence, female mice-no evidence	A4-Not classifiable as a human carcinogen	Group 3 Supplement 7, 1987 Monograph 42, 1987
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

**Aggravated Medical Condition:** Persons with pre-existing medical conditions or sensitivity may be more susceptible to the effects of exposure.

### 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. Oxygen or artificial respiration if needed. If symptoms persist, call a physician.

#### 4. FIRST AID MEASURES

**Skin Contact:** Remove contaminated clothing and launder before reuse. Wash 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°):** >500°F (>260°C)

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of nitrogen, Oxides of sulfur, Ketones, Aldehydes

**Unusual Fire/Explosion Hazards:** Heating above 149°C (300°F) in the presence of air may cause slow oxidation decomposition and above 260°C (500°F) may cause polymerization.

**Lower Explosive Limit:** n/d

**Upper Explosive Limit:** n/d

#### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal

#### 7. HANDLING AND STORAGE

**Storage:** Store in a cool, dry area.

**Handling:** Avoid contact with skin and eyes. Use in a well ventilated area. Wash hands before eating and smoking.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses

**Skin:** Neoprene or nitrile gloves recommended

**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:** An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Black putty

**Odor:** Mild

**Boiling Point:** Not determined

**pH:** Not applicable

**Solubility in Water:** Negligible

**Specific Gravity:** 1.9

**VOC(Wt.%):** 0

**Vapor Pressure:** Not Determined

**Vapor Density (Air=1):** >1

**Evaporation Rate:** Not Determined

#### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at normal conditions

**Hazardous Polymerization:** Will not occur

**Incompatibilities:** Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines)

**Conditions to Avoid:** Excessive heat, Incompatible materials

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of nitrogen, Oxides of sulfur, Ketones, Aldehydes

#### 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)

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

## 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 at or above the No Significant Risk Level.

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

## 16. OTHER INFORMATION

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

**Estimated HMIS Classification:** HEALTH 1, 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)

**Prepared By:** Denise Boyd, Manager-Environmental, Health & Safety

**Revision Date:** September 28, 2012

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

**Revision Number:** 1

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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** DEVCON MAGNUM MULTI PUTTY (GREEN)  
**Product Type:** Epoxy

This product appears in the following stock number(s):  
 80003VC

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
MAGNESIUM SILICATE 14807-96-6	30-60	2 mg/m <sup>3</sup>	20 mppcf
POLYMERCAPTAN CURING AGENT Proprietary	10-30	Not listed	Not listed
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	10-30	Not listed	Not listed
TITANIUM DIOXIDE 13463-67-7	<5	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
AMINOETHYLPIPERAZINE 140-31-8	<5	Not listed	Not listed
CRYSTALLINE SILICA 14808-60-7	0.1-1.0	0.025 mg/m <sup>3</sup>	Not listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** This material is irritating to skin, eyes and respiratory tract. May cause skin sensitization. High concentrations may cause central nervous system (CNS) depression.

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

**Signs and Symptoms of Exposure:** May cause pain, redness or swelling of the eyes and excessive blinking and tear production. Skin redness. Can burn mouth, throat, and stomach. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Repeated skin contact may cause allergic skin reactions.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
MAGNESIUM SILICATE 14807-96-6	30-60	male rat-some evidence, female rat-clear evidence, male mice-no evidence, female mice-no evidence	A4-Not classifiable as a human carcinogen	Group 3 Supplement 7, 1987 Monograph 42, 1987
TITANIUM DIOXIDE 13463-67-7	<5	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989
CRYSTALLINE SILICA 14808-60-7	0.1-1.0		A2 - Suspected Human Carcinogen	Group 1 Monograph 68, 1997 (inhalation of quartz)

**Aggravated Medical Condition:** Persons with pre-existing medical conditions or sensitivity may be more susceptible to the effects of exposure.

### 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. Oxygen or artificial respiration if needed. If symptoms persist, call a physician.

#### 4. FIRST AID MEASURES

**Skin Contact:** Remove contaminated clothing and launder before reuse. Wash 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°):** >500°F (>260°C)

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of nitrogen, Oxides of sulfur, Ketones, Aldehydes

**Unusual Fire/Explosion Hazards:** Heating above 149°C (300°F) in the presence of air may cause slow oxidation decomposition and above 260°C (500°F) may cause polymerization.

**Lower Explosive Limit:** n/d

**Upper Explosive Limit:** n/d

#### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal

#### 7. HANDLING AND STORAGE

**Storage:** Store in a cool, dry area.

**Handling:** Avoid contact with skin and eyes. Use in a well ventilated area. Wash hands before eating and smoking.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses

**Skin:** Neoprene or nitrile gloves recommended

**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:** An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Green putty

**Odor:** Mild

**Boiling Point:** Not determined

**pH:** 9.5 (5% solution or slurry in water)

**Solubility in Water:** Negligible

**Specific Gravity:** 1.9

**VOC(Wt.%):** 0

**Vapor Pressure:** Not Determined

**Vapor Density (Air=1):** >1

**Evaporation Rate:** Not Determined

#### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at normal conditions

**Hazardous Polymerization:** Will not occur

**Incompatibilities:** Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines)

**Conditions to Avoid:** Excessive heat, Incompatible materials

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of nitrogen, Oxides of sulfur, Ketones, Aldehydes

#### 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)

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

## 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 at or above the No Significant Risk Level.

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

## 16. OTHER INFORMATION

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

**Estimated HMIS Classification:** HEALTH 1, 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)

**Prepared By:** Denise Boyd, Manager-Environmental, Health & Safety

**Revision Date:** September 28, 2012

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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** DEVCON MAGNUM MULTI-PUTTY (BROWN)  
**Product Type:** Epoxy

This product appears in the following stock number(s):  
 80003VC

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
MAGNESIUM SILICATE 14807-96-6	30-60	2 mg/m <sup>3</sup>	20 mppcf
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	10-30	Not listed	Not listed
GLASS OXIDE 65997-17-3	10-30	Not listed	Not listed
NONYLPHENOL 25154-52-3	<10	Not listed	Not listed
DIONYLPHENOL 84962-08-3	<5	Not listed	Not listed
AMINOETHYLPIPERAZINE 140-31-8	<5	Not listed	Not listed
FORMALDEHYDE POLYMER WITH PHENOL AND TETA 32610-77-8	<5	Not listed	Not listed
2,4,6- TRIS(DIMETHYLAMINOMETHYL)PH ENOL 90-72-2	<5	Not listed	Not listed
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Contact can be corrosive to eyes, skin, mouth, nose and throat. Harmful if swallowed. May cause skin sensitization. High concentrations may cause central nervous system (CNS) depression.

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

**Signs and Symptoms of Exposure:** Eye irritation may be severe and result in injury. Contact causes severe skin irritation and possible burns. Can burn mouth, throat, and stomach. Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough. Repeated skin contact may cause allergic skin reactions.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
MAGNESIUM SILICATE 14807-96-6	30-60	male rat-some evidence, female rat-clear evidence, male mice-no evidence, female mice-no evidence	A4-Not classifiable as a human carcinogen	Group 3 Supplement 7, 1987 Monograph 42, 1987
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:** Persons with pre-existing medical conditions or sensitivity may be more susceptible to the effects of exposure.

#### 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. Seek immediate medical attention.
<b>Skin Contact:</b>	Immediately remove contaminated clothing and excess contaminant. Flush with water for at least 15 minutes. Wash thoroughly with soap and water. Consult a physician if irritation develops.
<b>Eye Contact:</b>	Flush eyes with clean water for at least 20 minutes while gently holding eyelids open, lifting upper and lower lids. Get immediate medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Flash Point °F(C°):</b>	275°F (134°C)
<b>Special Fire-Fighting Procedures:</b>	Firefighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Oxides of nitrogen, Nitric acid, nitriles, amides, Organic isocyanates
<b>Unusual Fire/Explosion Hazards:</b>	Heating above 149°C (300°F) in the presence of air may cause slow oxidation decomposition and above 260°C (500°F) may cause polymerization.
<b>Lower Explosive Limit:</b>	n/d
<b>Upper Explosive Limit:</b>	n/d

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Spill Procedures:</b>	Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Wear appropriate protective and respiratory equipment.
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#### 7. HANDLING AND STORAGE

<b>Storage:</b>	Store in a cool, dry area. Keep away from acids and oxidizers.
<b>Handling:</b>	Avoid contact with skin and eyes. Do not inhale vapors. Wash hands before eating and smoking. Discard contaminated leather gloves and shoes.

#### 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>	Brown putty
<b>Odor:</b>	Mild
<b>Boiling Point:</b>	>450°F (>232°C)
<b>pH:</b>	Not applicable
<b>Solubility in Water:</b>	Miscible
<b>Specific Gravity:</b>	0.97
<b>VOC(Wt.%):</b>	0
<b>Vapor Pressure:</b>	<1.0 mmHg
<b>Vapor Density (Air=1):</b>	>1
<b>Evaporation Rate:</b>	<1 (butyl acetate = 1)

#### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable at normal conditions
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatibilities:</b>	Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines), Reactive metals (e.g. Na, Ca, zinc), Materials reactive with hydroxyl compounds, Sodium/calcium hypochlorite, Peroxides
<b>Conditions to Avoid:</b>	Excessive heat. Incompatible materials.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Oxides of nitrogen, Nitric acid, nitriles, amides, Organic isocyanates

#### 11. TOXICOLOGICAL INFORMATION

See Section 3

#### 12. ECOLOGICAL INFORMATION



## 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:** D002 as per 40CFR 261.22

## 14. TRANSPORTATION INFORMATION

### DOT (49CFR 172)

#### 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

## 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 at or above the No Significant Risk Level.

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

## 16. OTHER INFORMATION

**Estimated NFPA Rating:** HEALTH 3, FLAMMABILITY 1, REACTIVITY 0

**Estimated HMIS Classification:** HEALTH 3, 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)

**Prepared By:** Denise Boyd, Manager-Environmental, Health & Safety

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