

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 FIBERGLASS, PORCELAIN & PLASTIC REPAIR KIT (HARDENER)  
**Product Type:** Epoxy hardener

This product appears in the following stock number(s):  
90216

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
AMINOETHYLPIPERAZINE 140-31-8	<50	Not listed	Not listed
NONYLPHENOL 25154-52-3	>30	Not listed	Not listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Corrosive. High concentrations may cause central nervous system (CNS) depression. May cause skin sensitization.

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

**Signs and Symptoms of Exposure:** Can cause severe and painful burns on contact to eyes, skin and if taken internally. Inhalation of mist or vapor can cause damage to the upper respiratory tract and to the tissue depending on severity of exposure. Effects can range from mild irritation of mucous membranes to severe pneumonitis and destruction of lung tissue. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Repeated skin contact may cause allergic skin reactions.

**Aggravated Medical Condition:** 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

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Seek immediate medical attention.

**Skin Contact:** Remove product and immediately flush affected area with water for 15 minutes. Remove contaminated clothing and shoes. Destroy contaminated leather apparel. Cover the affected area with a sterile dressing and seek medical care. Do not apply greases or ointments. Launder contaminated clothes prior to reuse.

**Eye Contact:** 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

**Flash Point °F(C°):** 212°F (100°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, Aldehydes, Ammonia, Nitric acid

**Unusual Fire/Explosion Hazards:** Irritating or toxic gases or fumes may be generated by thermal decomposition or combustion.

**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. Wear appropriate protective and respiratory equipment.

## 7. HANDLING AND STORAGE

<b>Storage:</b>	Store in a cool, dry area.
<b>Handling:</b>	Avoid contact with skin and eyes. Do not inhale vapors. Avoid contact with clothing. 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>	Amber liquid
<b>Odor:</b>	Ammonia
<b>Boiling Point:</b>	>390°F (199°C)
<b>pH:</b>	Alkaline
<b>Solubility in Water:</b>	Complete
<b>Specific Gravity:</b>	0.97
<b>Vapor Pressure:</b>	<1.0 mmHg
<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, Materials reactive with hydroxyl compounds, Sodium/calcium hypochlorite, Acids, Reactive metals (e.g. Na, Ca, zinc)
<b>Conditions to Avoid:</b>	Excessive heat.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Oxides of nitrogen, Aldehydes, Ammonia, Nitric acid

## 11. TOXICOLOGICAL INFORMATION

See Section 3

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

<b>Recommended Method of Disposal:</b>	Disposal should be made in accordance with federal, state and local regulations
<b>US EPA Waste Number:</b>	D002 as per 40CFR 261.22

## 14. TRANSPORTATION INFORMATION

### DOT (49CFR 172)

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

<b>DOT Shipping Name:</b>	Corrosive liquid, basic, organic, n.o.s (N-aminoethylpiperazine, nonylphenol), Limited Quantity
<b>Hazard Class:</b>	Class 8 PGIII
<b>UN/ID Number:</b>	UN 3267

### IATA (Air)

<b>Proper Shipping Name:</b>	Consumer Commodity (Not more than 500 ml)
<b>Class or Division:</b>	Class 9
<b>UN/ID Number:</b>	ID 8000

### IMDG (Vessel)

<b>Proper Shipping Name:</b>	Corrosive liquid, basic, organic, n.o.s (N-aminoethylpiperazine, nonylphenol), Limited Quantity
<b>Hazard Class:</b>	Class 8 PGIII
<b>UN Number:</b>	UN 3267
<b>Marine Pollutant:</b>	Nonylphenol

## 15. REGULATORY INFORMATION

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

## 15. REGULATORY INFORMATION

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

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

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

**Revision Date:** September 19, 2012

**Revision Number:** 1

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 FIBERGLASS, PORCELAIN & PLASTIC REPAIR KIT (RESIN)  
Product Type: Epoxy resin

This product appears in the following stock number(s):  
90216

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	>90	Not listed	Not listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Causes moderate eye irritation. Causes moderate skin irritation. May cause skin sensitization.  
**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. Repeated skin contact may cause allergic skin reactions. Contact with product at elevated temperatures can result in thermal burns. Ingestion may cause nausea and vomiting. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation.

**Aggravated Medical Condition:** 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.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapors. Oxygen or artificial respiration if needed.  
**Skin Contact:** Wash off with soap and water. Rinse immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.  
**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°):** >400°F (204°C) Method: PMCC  
**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.  
**Special Fire-Fighting Procedures:** Material will not burn unless preheated. Firefighters should wear self-contained breathing apparatus. Use water spray to cool exposed containers.  
**Hazardous Products of Combustion:** Oxides of carbon, Aldehydes, Acid vapors  
**Unusual Fire/Explosion Hazards:** May decompose above 300 degrees F.; may polymerize above 500 degrees F. in which case closed containers may rupture or explode. Fumes and vapor from thermal and chemical decomposition vary in composition and toxicity. Do not breathe fumes.

**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. Prevent from entering waterways or sewers.

### 7. HANDLING AND STORAGE

**Storage:** Store in a cool, dry area. Store away from heat.  
**Handling:** Avoid contact with vapors from heated material. Avoid contact with skin and eyes. 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>	Clear viscous liquid
<b>Odor:</b>	Slight
<b>Boiling Point:</b>	Not determined
<b>pH:</b>	Neutral
<b>Solubility in Water:</b>	Negligible
<b>Specific Gravity:</b>	1.17
<b>VOC(Wt.%):</b>	0
<b>Vapor Pressure:</b>	Not Determined
<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)
<b>Conditions to Avoid:</b>	Heat.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Aldehydes, Acid vapors

## 11. TOXICOLOGICAL INFORMATION

Oral LD50 (rat) = 11.4 g/kg  
Dermal LD50 (rabbit) = >20 ml/kg  
Inhalation LC50 (rat) = no deaths (4h)  
IARC Group 3; Not classifiable as a carcinogen

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORTATION INFORMATION

### DOT (49CFR 172)

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

<b>DOT Shipping Name:</b>	Not regulated
<b>Hazard Class:</b>	None
<b>UN/ID Number:</b>	None

#### IATA (Air)

<b>Proper Shipping Name:</b>	Not regulated
<b>Class or Division:</b>	None
<b>UN/ID Number:</b>	None

#### IMDG (Vessel)

<b>Proper Shipping Name:</b>	Not regulated
<b>Hazard Class:</b>	None
<b>UN Number:</b>	None
<b>Marine Pollutant:</b>	None

## 15. REGULATORY INFORMATION

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

## 15. REGULATORY INFORMATION

None

**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 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)

**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:** August 16, 2012

**Revision Number:** 1