

Date Prepared: 09/22/06  
Supersedes: 04/01/02  
Product Name: DuraPatch Metallic (Part B-Hardener)

# ChemMasters

## Material Safety Data Sheet

### 1. Chemical Product and Company Information

**Product Name:** DuraPatch Metallic (Part B-Hardener)  
**Product Description:** 3-Component 100% Solids Epoxy Resurfacing and Repair Product.

**ChemMasters**  
300 Edwards Street  
Madison, Ohio 44057  
440-428-2105

In Case of Emergency Contact:  
CHEMTREC 800/424-9300

### 2. Composition / Information on Ingredients

Hazardous Components	CAS #	Exposure Limits			% by Wt
		OSHA(PEL/TWA)	ACGIH (TLV/TWA)	OTHER	
TOFA, Reaction with TEPA	68953-36-6	NE	NE	—	>55
Tetraethylenepentamine	112-57-2	NE	NE	—	<15
Diethylenetriamine (DETA)	111-40-0	1 ppm	1 ppm (Skin)	—	<15
Phenol, 4,4'-(1-Methylethylidene)Bis	80-05-7	NE	NE	---	<10

### 3. Hazards Identification

#### WARNING

#### CORROSIVE

Causes eye burns

Causes skin burns and/or allergic skin reaction

May cause allergic respiratory reaction

#### Potential Health Hazards - Acute

**Eye:** Corrosive to the eye. Severe eye irritant.

**Skin:** Corrosive to the skin, severe skin irritant. Sensitizer — may cause allergic reaction which can be severe in certain individuals.

**Inhalation:** Corrosive to the respiratory tract. Severe respiratory tract irritant. Sensitizer — may cause allergic respiratory reaction.

**Ingestion:** No specific information available. Moderately toxic. May cause gastrointestinal irritation, ulceration and/or burns of mouth and throat.

#### Medical Conditions Generally Aggravated by Exposure:

Asthma, and Chronic respiratory disease (e.g. Bronchitis, Emphysema)

Eye Disease

Skin Disorders and Allergies.

#### Potential Health Effects - Chronic

**Carcinogenicity:**

**NTP**  
NO

**IARC Monographs**  
YES

**OSHA Regulated**  
NO

### 4. First Aid Measures

**Eye:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

**Skin:** Flush immediately with plenty of water for at least 15 minutes while removing contaminated clothing.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do NOT induce vomiting. Give victim a glass of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

**SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.**

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## 5. Fire Fighting Measures

**Flash Point** (method used): 259°F (126°C), TCC

**Flammable Limits** (% volume in air): **Lower** = No data available    **Upper** = No data available

**Auto Ignition Temperature:** No data available

**Extinguishing Media:** Dry chemicals, CO<sub>2</sub>, Halon, water spray or foam.

**Hazard Combustion Products:** Carbon dioxide, carbon monoxide and toxic nitrogen oxides.

**Fire Fighting Instructions:** Remove all ignition sources. Wear self contained breathing apparatus and complete personal protective equipment when entering confined areas where potential exposure to vapors or products of combustion exists.

## 6. Accidental Release Measures

**Spill:** Absorb with inert material, then place in chemical waste container for later disposal.

## 7. Handling and Storage

**Handling:** Use with adequate ventilation. Avoid contact with skin and eyes. Always use good industrial hygiene practices and safety guidelines when dealing with this potentially hazardous product.

**Storage:** Keep containers closed and store in a dry, well ventilated area.

## 8. Exposure Controls / Personal Protection

**Exposure Controls:** Mechanical exhaust should be used. A source of clean water should be available for flushing eyes and skin.

**Personal Protection:** Protective clothing, chemical splash goggles, rubber gloves and a vapor respirator.

## 9. Physical and Chemical Properties

**Appearance:** Colored liquid of low viscosity

**Odor:** Sharp amine odor

**Boiling Point:** >374°F

**Melting Point:** No Data

**Vapor Pressure (mm/Hg):** No data available

**Vapor Density (Air = 1):** <5.17

**Solubility in Water:** Slight (0.1-1%)

**Specific Gravity (H<sub>2</sub>O = 1):** 0.98

**Evaporation Rate (n-Butyl Acetate = 1):** No data available

**pH:** Alkaline

## 10. Stability and Reactivity

**Chemical Stability:** Stable

**Conditions to Avoid:** Excessive heat, sparks, flame

**Incompatibility** (materials to avoid): Contamination with strong acids, bases, or epoxy resins.

**Hazardous Decomposition or By-products:** Thermal decomposition may include carbon monoxide, carbon dioxide and/or oxides of nitrogen.

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

Components	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Mixture	>1000 mg/kg	>2000 mg/kg	No Data

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## 12. Ecological Information

No data available

## 13. Disposal Considerations

Dispose of in accordance with all federal, state and local regulations. If uncertain of local regulations in your area, contact the proper environmental authorities for disposal.

Under RCRA 40 CFR 261 this material is hazardous waste number D001.

## 14. Transportation Information

**For U S National, International & Air Shipments:**

**Shipping Description:** Corrosive Liquids, N.O.S. (Modified Polyamine), 8, UN1760, III

**Emergency Response Guide Number:** 154

**Hazard Class:** Corrosive

## 15. Regulatory Information

**OSHA:** This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200)

**CERCLA Reportable Quantity:** Not applicable

**SARA Title III:**

**Section 311/312 hazard categories:** acute health, delayed health

**Section 313 reportable ingredients:**

Components	CAS #	Maximum %
Phenol, 4,4'-(1-Methylethylidene)Bis	80-05-7	10

## 16. Other Information

**MSDS Status:** Revised Entire MSDS September 22, 2006

**Industrial Abbreviation Legend** on page 4 of this MSDS.

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### Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg/m <sup>3</sup>	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

### **THIS PRODUCT IS FORMULATED AND LABELED FOR INDUSTRIAL AND COMMERCIAL APPLICATION ONLY**

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