



# SAFETY DATA SHEET

Issue Date: July 12, 2017

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Version: 2017

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Duraguard 401-P; Duraguard 401-P2; Duraguard 401-P3  
Product is Pre-Mixed Resin & Promoter

### Other Means of Identification

SDS #: F5345P

**Recommended Use:** 2 Component Penetrating Sealer and Crack Healer

### **Restrictions on Use:**

- One Month Shelf Life
- Do NOT add Duraguard Series Promoter to Duraguard 401-P; Duraguard 401-P2; Duraguard 401-P3 as this Product is Pre-Mixed Resin & Promoter.

### **Supplier of the Safety Data Sheet including Address:**

ChemMasters Inc.  
300 Edwards Street  
Madison, OH 44057

### Telephone Numbers

#### **Company Phone Number**

Phone: 800-486-7866, 440-428-2105  
Fax: 440-428-7091

**Emergency Telephone:** ChemTrec 800-424-9300 (United States & Canada), International Call: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### **Emergency Overview**

#### **OSHA Hazards:**

Harmful if swallowed, harmful if Inhaled, harmful in contact with the skin, causes skin irritation, may cause an allergic skin reaction, causes serious eye irritation, may cause respiratory irritation.

**Target Organs:** Respiratory System

#### **GHS Classification:**

Acute toxicity, Dermal – Category 4

Acute toxicity, Oral – Category 4

Acute toxicity, Inhalation – Category 4

Eye damage/eye irritation – Category 2A

Skin sensitization – Category 1

Skin irritation – Category 2B

Specific target organ toxicity – single exposure – Category 3, Respiratory System

Reproduction Toxicity – Category 2

**Label Elements, including precautionary statements**

Pictograms:



**Signal Word: WARNING**

**Hazard Statements:**

- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H361 Suspected of damaging fertility

**Precautionary Statement(s)**

**Prevention:**

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands and skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice or attention.
- P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P302+P313 IF ON SKIN: Wash with plenty of water. Get medical advice or attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice or attention.
- P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P308+P313 IF exposed or concerned: Get medical advice/attention.

**Storage:**

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store Locked Up

**Disposal:**

- P501 Dispose of contents/container in accordance with local/regional/national regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### **Component**

Methacrylate Monomer, Reactive Resin Blend	CAS#: Proprietary Mixture	90-100%
Cobalt bis (2-Ethyhexanoate)	CAS#: 136-52-7	≤5%
Naphtha (Petroleum), Hydrotreated Heavy	CAS#: 64742-48-9	≤5%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels.

### 4. FIRST AID MEASURES

#### **First Aid Measures**

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Skin Contact:** Wash off with soap and plenty of water. Consult a physician.

### 5. FIRE-FIGHTING MEASURES

#### **Suitable Extinguishing Media**

Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

#### **Specific Hazards Arising from the Chemical**

Heat can cause hazardous polymerization. Sealed containers can explode in the heat of a fire.

#### **Hazardous Combustion Products**

Carbon dioxides, Carbon monoxide, Methacrylates

#### **Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus and full protective gear for firefighting.

#### **Further Information**

See Section 7 for safe handling and storage.

### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal Precautions, Protective Equipment and Emergency Procedures**

In case of spill, evacuate the area and remove all ignition sources. Do not expose to heat, flames, or ignition sources. Wear appropriate personal protective equipment during any cleanup and response activities.

#### **Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

#### **Methods and Material for Containment and Cleaning Up**

Dike and contain spill with vermiculite or other absorbent materials such as polyethylene fiber or polypropylene fiber products and sand.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

### Conditions for Safe Storage, Including any Incompatibilities

**General information:** Store in cool place. Keep container tightly closed in a dry and well ventilated place. Keep away from heat (<95 degrees F/<35 degrees C) and direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Shelf Life: 1 Month.

**Safe Storage:** This product is stabilized against spontaneous polymerization. However, if the permissible storage time or storage temperature is greatly exceeded then the product may polymerize.

**Incompatibilities:** Store away from alkaline substances or other materials likely to initiate polymerization such as strong oxidizing and reducing agents and peroxides.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Component Exposure Limits

This material contains no substances with occupational exposure limit values.

### Appropriate Engineering Controls

Local Ventilation: Recommended

General Ventilation: Recommended

### Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection:** Use proper protection – Safety Glasses as a minimum

**Skin and Body Protection:** Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

**Respiratory Protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

#### Physical State

**Appearance:** Liquid

**Color:** Purplish

**Odor:** Strong

**Odor threshold:** No Data

#### Property

Vapor Pressure

Vapor Density

Relative Density

pH:

Melting/Freezing Point

Solubility

Evaporation Rate

#### Value

Not Available

Not Available

Not Available

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Not Relevant

Not Available

Not Available

#### Remarks – Method

Flash Point	≥201 Degrees F (>95 Degrees C)	PM Closed Cup
Flammability Limits	Not Available	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	Not Available	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	1.05	Density: 8.75 lb./gal. +/- 0.1

## 10. STABILITY AND REACTIVITY

### **Chemical Stability:**

This product is chemically stabilized against spontaneous polymerization. However, if the permissible storage time or storage temperature is greatly exceeded then the product may polymerize.

Shelf Life: 1 month

### **Possibility of Hazardous Reactions:**

Hazardous polymerization may occur. Polymerization is exothermic and can degenerate into an uncontrolled reaction.

### **Conditions to Avoid:**

Store this material away from heat, alkaline substances or other materials that are likely to initiate polymerization such as strong oxidizing and reducing agents and peroxides.

### **Incompatible Materials:**

Strong oxidizing Agents, Strong reducing agents and peroxides.

### **Hazardous Decomposition Products**

Carbon dioxides, Carbon monoxide, Methacrylates

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation, Skin Contact, Eye Contact, Ingestion

### **Symptoms of Exposure:**

Skin: Causes irritation

Eyes: Eye Irritant. Causes eye irritation.

### **Numerical measures of toxicity:**

No data available

### **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Carcinogenicity: IARC, ACGIH, NTP, OSHA**

No components of this product present at levels greater than or equal to 0.1% is identifies as a carcinogen or potential carcinogen.

## 12. ECOLOGICAL INFORMATION

**Eco toxicity:** May be hazardous to the aquatic environment.

**Persistence and Degradability:** No Data Available

**Bioaccumulation:** No Data Available

**Mobility:** No Data Available

**Other Adverse Effects:** No Data Available

## 13. DISPOSAL CONSIDERATIONS

### **Waste Treatment Methods**

**Disposal of Wastes:** This product is not expected to be a hazardous waste under RCRA. Disposal via incineration is recommended. Dispose of in conformance with all federal, state and local regulations.

**Contaminated Packaging:** Dispose of as unused material.

## 14. TRANSPORT INFORMATION

**DOT:** Not a Dangerous Good

**IATA:** Not a Dangerous Good

**IMDG:** Not a Dangerous Good

**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

### **International Inventories**

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **US Federal Regulations**

**SARA 302:** None Known

**SARA 311/312 Hazard Categories:** Reactivity Hazard, Acute Health Hazard, Chronic Hazard

**SARA 313 Hazard Categories:** None Known

**CWA (Clean Water Act):** None Known

### **Supplemental State Compliance Information**

California:

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm. **Propylene Oxide CAS#: 75-56-9 <10 ppm.**

**State RTK: Pennsylvania, New Jersey, Rhode Island, Massachusetts**

Cobalt bis (2-Ethyhexanoate) CAS#: 136-52-7

Naphtha (Petroleum), Hydrotreated Heavy CAS#: 64742-48-9

**EPA Label Information:** No Data

## 16. OTHER INFORMATION

### HMIS Classification:

Health hazard: 1  
Flammability: 1  
Physical Hazards: 0

### NFPA Rating:

Health hazard: 1  
Fire: 1  
Reactivity Hazard: 0

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### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**