

# HarperScientific

## Material Safety Data Sheet

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### 1 Product and Company Information

#### **Product details:**

- Trade Name: **ChipFix™**
- CAS Number: Mixture
- Hazardous Rating: Health: 1 Fire: 1 Reactivity: 0 PPI: B
- Product Code: Epoxy/Putty
- Manufacturer/Supplier:  
HarperScientific, Div of Harper Corporation of America  
11625 Steele Creek Road  
Charlotte, NC 28273
- MSDS Created: Regulatory Affairs Department  
Regulatory Affairs Department: (704) 588-3371
- Information in case of emergency:  
Emergency telephone no. Call Harper 24 hours a day/seven days a week at (800)438-3111.

### 2 Ingredient and Hazard Information:

#### **Chemical characterization:**

- Description:  
All ingredients in this product are listed in the T.S.C.A. Inventory
- | <b>Hazardous components:</b>   | <b>CAS Number</b> | <b>%</b> | <b>TSC</b> |
|--|-------------------|----------|------------|
| Glycidyl ethers of bisphenol A resins<br>HMIS Health: 2 Fire: 1 Reactivity: 0 PPI: B | #25068-38-6       | 10 - 30  | Y          |
| Crystalline silica<br>HMIS Health: 1 Fire: 0 Reactivity: 0 PPI: E                    | #14808-60-7       | 1 - 5    | Y          |
| Tri (dimethylaminomethyl) phenol<br>HMIS Health: 3 Fire: 1 Reactivity: 1 PPI: D      | # 90-72-2         | .5 - 1.5 | Y          |
- **Warning!!!**  
Respirable crystalline silica (quartz) is classified as a probable carcinogen. The crystalline silica present in this product is encapsulated in the epoxy resin and could only be liberated by sanding or abrading, and then not as pure crystalline silica.  
  
However, appropriate precautions should be taken if the product is sanded or abraded to preclude personnel from breathing the dust.

### 3 Physical data:

- Form: Putty
- Appearance: Metallic/White
- Odor: Mercaptan/Sulfur
- Solubility (in water): Insoluble in Water
- Boiling Range: N/A
- Melting Point: N/A
- Evaporation Rate: Not Volatile
- % Volatile: <1%
- Specific Gravity: 1.00
- VOC: <1%
- Heavy Elements (ppm): 0.0
- Specific Gravity: 2.18

#### **NOTE:**

They physical data represented above are typical values and should not be construed as a specification.

For additional physical data and details on use, please obtain a technical data sheet for this product.

**4 Fire and Explosion Hazard Data:**

- Flammability Class: III B
- Flash Range: None
- Explosive Range: None / N/A

**Extinguishing Media:**

Water spray, foam, CO<sup>2</sup>, dry chemicals

**Unusual Hazards:**

Aldehydes, acids, and oxides of carbon, nitrogen, & sulfur may be formed

**Fire Fighting:**

Fire fighters and others who may be exposed to the products of combustion should be equipped with a NIOSH-approved position pressure self contained breathing apparatus (SCBA) and full protective clothing.

**5 Health Hazard Data:**

Lethal Dose Information (ppm) Oral Skin Inhale LC50

Glycidyl ethers of bisphenol A resins

Oral Rat, adult LD50 5000. mg/kg

Skin Rabbit, adult LD50 20000. mg/kg

Tri (dimethylaminomethyl) phenol

Oral Rat, adult LD50 1630. mg/kg

**Permissible Exposure Level:**

N/A

**Effects of Overexposure:**

Inhalation: None

Ingestion: Irritation of intestinal tract

Skin Contact: Possible irritant and sensitizer

Eye Contact: Possible irritant and sensitizer

**First Aid:**

Inhalation: Remove to fresh air

Ingestion: Seek medical advice

Skin Contact: Wash with soap and water

Eye Contact: Flush with water for at least 15 minutes, consult a physician

**NOTE:**

Never give anything by mouth to an unconscious person

**6 Stability and Reactivity Data:**

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

Incompatibility: None

Conditions to avoid: None

Hazardous decomposition products: Aldehydes, acids, and oxides of carbon, nitrogen and sulfur

**7 Spill and Leak Procedures:**

Steps to be taken: Spills or leaks: Dispose of in normal manner

Waste Disposal Method: Incinerate in furnace or bury in landfill in accordance to all applicable regulations;

Not a hazardous waste

**8 Exposure Controls / Personal Protection:**

Occupational Exposure Limits

ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
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Glycidyl ethers of bisphenol A resins

N/est	N/est	N/est	N/est	N/est
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Crystalline silica

0.10 mg/M3	N/est	N/est	N/est	0.10 mg/M3
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Tri (dimethylaminomethyl) phenol  
5.00 PPM      N/est                      N/est                      N/est                      N/est

**8 Exposure Controls / Personal Protection (cont'd):**

**Protective Equipment Types:**

Eyes:                      Safety Glasses  
Respiratory:      None required unless sanding or abrading  
Gloves:                      Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove Manufacturer to determine the proper type of specific operation  
Other:                      None Required

**Ventilation:**

General Mechanical:      None Required  
Local Exhaust:              Only if heated above 100°F (38°C)

**9 Handling and Storage:**

**Handling:**

Storage Temperature:      < 90°F (32°C)  
Storage Conditions:      Store in a cool, dry, well ventilated area  
Transfer:                      No special precautions are needed. Follow good manufacturing and handling Practices.  
Personal Hygiene:              Wash thoroughly after handling, especially before eating, drinking, smoking, and Using restroom facilities. Wash contaminated goggles, face shield, and gloves. Professionally launder contaminated clothing before re-use.  
Empty Container Precautions:      Attention!! This container can be hazardous when empty. Follow label Cautions even after the container is empty since empty containers could retain Product residues. Do not re-use empty containers for food, clothing, or products For human or animal consumption, or where skin contact can occur.

**10 Regulatory Information:**

**Right-to-Know:**

**NOTE:**

Users Responsibility:      A bulletin such as this can not be expected to cover all possible individual Situations. As the user has the responsibility to provide a safe work place, all Aspects of an individual operation should be examined to determine if, or where, Precautions – in addition to those described herein – are required. Any health Hazard and safety information herein should be passed on to your customers or Employees as the case may be.

Disclaimer of Liability:      The information contained herein is, to the best of our knowledge and belief, Accurate. However, since the conditions of handling and use are beyond our Control, we make no guarantee of results, and assume no liability for damages Incurred by the use of this material. All chemicals may present unknown health Hazards and should be used with caution. Although certain hazards are Described herein, we can not guarantee that these are the only hazards which Exist. Final determination of suitability of the chemical is the sole Responsibility of the user. No representation or warranties, either expressed or Implied, of merchantability, fitness for a particular purpose or any other nature Are made hereunder with respect to the information refers. It is the Responsibility of the user to comply with all applicable federal, state and local Laws and regulations.