



Revision Number: 002.0

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**1. PRODUCT AND COMPANY IDENTIFICATION**

|                            |   |                             |   |
|----------------------------|---|-----------------------------|---|
| <b>Product name:</b>       | <b>LOCTITE ECCOBOND FP4802 known as FP4802 30CC SEMCO 50.4g -40CD</b> | <b>IDH number:</b>          | 1049155   |
| <b>Product type/use:</b>   | Encapsulant   | <b>Item number:</b>         | FP4802-V25  |
| <b>Restriction of Use:</b> | None identified   | <b>Region:</b>              | United States   |
| <b>Company address:</b>    | Henkel Corporation<br>One Henkel Way<br>Rocky Hill, Connecticut 06067 | <b>Contact information:</b> | Telephone: +1 (860) 571-5100<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>Internet: www.henkelna.com |

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**DANGER:** CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.  
MAY CAUSE RESPIRATORY IRRITATION.  
CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

| HAZARD CLASS                                       | HAZARD CATEGORY |
|--|-----------------|
| SKIN IRRITATION                                    | 2               |
| EYE IRRITATION                                     | 2A              |
| SKIN SENSITIZATION                                 | 1               |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE   | 3               |
| SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE | 1               |

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Do not breathe vapors, mist, or spray. Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.

**Response:** IF ON SKIN: Wash with plenty of water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s)                     | CAS Number  | Percentage* |
|--|-------------|-------------|
| Silica, vitreous                           | 60676-86-0  | 30 - 60     |
| Epoxy resin                                | Proprietary | 10 - 30     |
| Silicon dioxide                            | 7631-86-9   | 10 - 30     |
| Quartz (SiO <sub>2</sub> ), <1% respirable | 14808-60-7  | 1 - 5       |
| Epoxy resin modifier                       | Proprietary | 1 - 5       |
| Triphenylphosphine                         | 603-35-0    | 0.1 - 1     |
| Carbon black                               | 1333-86-4   | 0.1 - 1     |

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.                                      |
| <b>Skin contact:</b> | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse. |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.   |
| <b>Ingestion:</b>    | Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.   |
| <b>Symptoms:</b>     | See Section 11.   |

### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.   |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray. |
| <b>Unusual fire or explosion hazards:</b> | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.  |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Toxic and irritating vapors.   |

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

|                                   |  |
|-----------------------------------|--|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways.  |
| <b>Clean-up methods:</b>          | Remove all sources of ignition. Ensure adequate ventilation. Isolate area. Keep unnecessary personnel away. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. |

## 7. HANDLING AND STORAGE

**Handling:** Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Refer to Section 8.

**Storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

| Hazardous Component(s)                     | ACGIH TLV   | OSHA PEL  | AIHA WEEL | OTHER   |
|--|---|---|-----------|---|
| Silica, vitreous                           | None  | 20 MPPCF TWA<br>0.8 mg/m <sup>3</sup> TWA   | None      | None  |
| Epoxy resin                                | None  | None  | None      | None  |
| Silicon dioxide                            | 6 mg/m <sup>3</sup> TWA                             | 20 MPPCF TWA<br>0.8 mg/m <sup>3</sup> TWA   | None      | 3 mg/m <sup>3</sup> TWA<br>Respirable fraction. |
| Quartz (SiO <sub>2</sub> ), <1% respirable | 0.025 mg/m <sup>3</sup> TWA<br>Respirable fraction. | 0.05 mg/m <sup>3</sup> TWA<br>(Respirable dust.)<br>(Respirable dust.)<br>0.025 mg/m <sup>3</sup><br>OSHA_ACT<br>(Respirable dust.)<br>0.05 mg/m <sup>3</sup> PEL<br>Respirable dust.<br>2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m <sup>3</sup> TWA<br>Respirable. | None      | None  |
| Epoxy resin modifier                       | None  | None  | None      | None  |
| Triphenylphosphine                         | None  | None  | None      | None  |
| Carbon black                               | 3 mg/m <sup>3</sup> TWA<br>Inhalable fraction.      | 3.5 mg/m <sup>3</sup> PEL   | None      | None  |

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:** Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**Eye/face protection:** Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:** Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Paste  
**Color:** Black  
**Odor:** Epoxy  
**Odor threshold:** Not available.  
**pH:** Not available.  
**Vapor pressure:** Not available.  
**Boiling point/range:** Not available.

|   |                                  |
|---|----------------------------------|
| <b>Melting point/ range:</b>                    | Not available.                   |
| <b>Specific gravity:</b>                        | 1.7                              |
| <b>Vapor density:</b>                           | Not available.                   |
| <b>Flash point:</b>                             | > 93 °C (> 199.4 °F)             |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.                   |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.                   |
| <b>Autoignition temperature:</b>                | Not available.                   |
| <b>Flammability:</b>                            | Not applicable                   |
| <b>Evaporation rate:</b>                        | Not available.                   |
| <b>Solubility in water:</b>                     | Not miscible or difficult to mix |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                   |
| <b>VOC content:</b>                             | Not available.                   |
| <b>Viscosity:</b>                               | Not available.                   |
| <b>Decomposition temperature:</b>               | Not available.                   |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable under normal conditions of storage and use.   |
| <b>Hazardous reactions:</b>              | None under normal processing.  |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Hydrocarbons. Irritating organic vapours.  |
| <b>Incompatible materials:</b>           | Strong oxidizing agents.   |
| <b>Reactivity:</b>                       | Not available.   |
| <b>Conditions to avoid:</b>              | High temperatures. Store away from incompatible materials. Heat, flames, sparks and other sources of ignition. |

## 11. TOXICOLOGICAL INFORMATION

|                                     |                        |
|-------------------------------------|------------------------|
| <b>Relevant routes of exposure:</b> | Skin, Inhalation, Eyes |
|-------------------------------------|------------------------|

### Potential Health Effects/Symptoms

**Inhalation:** May cause respiratory tract irritation. Abrasion of cured material such as by sanding or grinding could release respirable particles of silica quartz, a cancer hazard by inhalation. Normal use of this product causes no such release.

**Skin contact:** Causes skin irritation. May cause allergic skin reaction.

**Eye contact:** Causes serious eye irritation. Redness. Tearing.

**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s)                     | LD50s and LC50s  | Immediate and Delayed Health Effects                  |
|--|--|---|
| Silica, vitreous                           | None   | Nuisance dust   |
| Epoxy resin                                | None   | No Target Organs                                      |
| Silicon dioxide                            | Oral LD50 (Rat) = > 22,500 mg/kg<br>Oral LD50 (Mouse) = > 15,000 mg/kg | Nuisance dust   |
| Quartz (SiO <sub>2</sub> ), <1% respirable | None   | Immune system, Lung, Some evidence of carcinogenicity |
| Epoxy resin modifier                       | None   | Irritant, Allergen                                    |
| Triphenylphosphine                         | None   | Irritant, Nervous System, Mutagen                     |
| Carbon black                               | Oral LD50 (Rat) = > 8,000 mg/kg  | Respiratory, Some evidence of carcinogenicity         |

| Hazardous Component(s)                     | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|-------------------------------|-----------------|--|
| Silica, vitreous                           | No                            | No              | No                                       |
| Epoxy resin                                | No                            | No              | No                                       |
| Silicon dioxide                            | No                            | No              | No                                       |
| Quartz (SiO <sub>2</sub> ), <1% respirable | Known To Be Human Carcinogen. | Group 1         | Yes                                      |
| Epoxy resin modifier                       | No                            | No              | No                                       |
| Triphenylphosphine                         | No                            | No              | No                                       |
| Carbon black                               | No                            | Group 2B        | No                                       |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:** Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**15. REGULATORY INFORMATION**

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act inventory.  
**TSCA 12 (b) Export Notification:** None above reporting de minimis  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health  
**CERCLA/SARA Section 313:** None above reporting de minimis.  
**California Proposition 65:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. This product contains a chemical known in the State of California to cause cancer.

**Canada Regulatory Information**

**CEPA DSL/NDL Status:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

**16. OTHER INFORMATION**

**This safety data sheet contains changes from the previous version in sections: 2, 3, 11**

**Prepared by:** Product Safety and Regulatory Affairs

**Issue date:** 07/23/2019

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