1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Go2 Repair Putty Part A (Resin)  
IDH number: 1779887  
Product type: 2-Component epoxy adhesive  
Restriction of Use: None identified  
Region: United States  
Company address: Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067  
Contact information:  
Telephone: (860) 571-5100  
MEDICAL EMERGENCY Phone: Poison Control Center  
1-877-671-4608 (toll free) or 1-303-592-1711  
TRANSPORT EMERGENCY Phone: CHEMTREC  
1-800-424-9300 (toll free) or 1-703-527-3887  
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION.

<table>
<thead>
<tr>
<th>HAZARD CLASS</th>
<th>HAZARD CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>2</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>2A</td>
</tr>
<tr>
<td>SKIN SENSITIZATION</td>
<td>1</td>
</tr>
</tbody>
</table>

PICTOGRAM(S)

Precautionary Statements

Prevention: Avoid breathing dust or fumes. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

Storage: Not prescribed

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


See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS
<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>CAS Number</th>
<th>Percentage*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>Proprietary</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>Proprietary</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>Proprietary</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Aluminium hydroxide</td>
<td>21645-51-2</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

**Inhalation:**
Move to fresh air. If symptoms develop and persist, get medical attention.

**Skin contact:**
Wipe off with paper towel or cloth. Wash with soap and water. If symptoms develop and persist, get medical attention.

**Eye contact:**
If irritation develops, flush eyes immediately with large amounts of water. If irritation persists, seek medical attention or advice.

**Ingestion:**
Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

**Symptoms:**
See Section 11.

5. FIRE FIGHTING MEASURES

**Extinguishing media:**
Water spray (fog), foam, dry chemical or carbon dioxide.

**Special firefighting procedures:**
Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Unusual fire or explosion hazards:**
None

**Hazardous combustion products:**

6. ACCIDENTAL RELEASE MEASURES

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

**Environmental precautions:**
Do not allow product to enter sewer or waterways.

**Clean-up methods:**
Store in a partly filled, closed container until disposal. Scrape up as much material as possible.

7. HANDLING AND STORAGE

**Handling:**
Avoid skin and eye contact. Wash thoroughly after handling. Empty container precaution: 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.

**Storage:**
Store in original container until ready to use. Store at room temperature.
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.

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>10 mg/m³ TWA</td>
<td>15 mg/m³ PEL Total dust.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Aluminium hydroxide</td>
<td>10 mg/m³ TWA (as Al) Total dust.</td>
<td>15 mg/m³ TWA (as Al) Total dust.</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**Engineering controls:**
General room ventilation is usually adequate.

**Respiratory protection:**
No personal respiratory protective equipment normally required.

**Eye/face protection:**
None required in normal use.

**Skin protection:**
None required in normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>white</td>
</tr>
<tr>
<td>Odor:</td>
<td>Epoxy, Characteristic</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point/range:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting point/ range:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point:</td>
<td>Product is a solid.</td>
</tr>
<tr>
<td>Flammable/Explosive limits - lower:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammable/Explosive limits - upper:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not available.</td>
</tr>
<tr>
<td>VOC content:</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

**Stability:**
Stable under normal conditions of storage and use.

**Hazardous reactions:**
Will not occur.

**Hazardous decomposition products:**
Phenolics. Carbon monoxide.

**Incompatible materials:**

**Reactivity:**
Not available.

**Conditions to avoid:**
Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Elevated temperatures.
11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Ingestion, Eyes

Potential Health Effects/Symptoms

Inhalation: Not expected under normal conditions of use.

Skin contact: Not expected to be a primary skin irritant. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Eye contact: May cause slight irritation to eyes on contact.

Ingestion: No significant adverse effects are expected upon ingestion of the product. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>LD50s and LC50s</th>
<th>Immediate and Delayed Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>None</td>
<td>Irritant, Allergen</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>None</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>None</td>
<td>Irritant, Allergen</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>None</td>
<td>Irritant, Respiratory, Some evidence of carcinogenicity</td>
</tr>
<tr>
<td>Aluminium hydroxide</td>
<td>Oral LD50 (RAT) = &gt; 5,000 mg/kg</td>
<td>Irritant, Lung, Respiratory</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen (Specifically Regulated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Epoxy resin</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>No</td>
<td>Group 2B</td>
<td>No</td>
</tr>
<tr>
<td>Aluminium hydroxide</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

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: It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24.

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
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 in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Mary Ellen Roddy, Sr. Regulatory Affairs Specialist

Issue date: 12/18/2014

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates (“Henkel”) does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user’s responsibility to determine the suitability of Henkel’s products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel’s products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel’s products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.
1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Go2 Repair Putty Part B (Hardener)

IDH number: 1779888

Product type: Epoxy Hardener

Restriction of Use: None identified

Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Region: United States

Contact information:
Telephone: (860) 571-5100
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION.

HAZARD CLASS

| SKIN IRRITATION | 2 |
| EYE IRRITATION | 2A |
| SKIN SENSITIZATION | 1 |

PICTOGRAM(S)

Precautionary Statements

Prevention: Avoid breathing dust or fumes. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

Storage: Not prescribed

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


See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

IDH number: 1779888

Product name: Loctite Go2 Repair Putty Part B (Hardener)
4. FIRST AID MEASURES

Inhalation: Move to fresh air, consult doctor if complaint persists.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.

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

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Keep individual calm. Get medical attention.

Symptoms: See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: None expected.


6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Do not allow product to enter sewer or waterways.

Clean-up methods: Scrape up as much material as possible. Clean residue with soap and water. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container closed. Do not reuse the empty container.

Storage: For safe storage, store between -20 °C (-4°F) and 40 °C (104°F). Store in original container until ready to use. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Outside temperature limits, the product will be irreversibly damaged and no longer usable.
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.

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>10 mg/m³ TWA Total dust.</td>
<td>5 mg/m³ PEL Respirable fraction, 15 mg/m³ PEL Total dust.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Polymercapta hardener</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Talc</td>
<td>2 mg/m³ TWA Respirable fraction.</td>
<td>20 MPPCF TWA Respirable, 0.1 mg/m³ TWA Respirable, 0.3 mg/m³ TWA Total dust.</td>
<td>None</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Substituted aminophenol</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**Engineering controls:** Use local exhaust ventilation if the potential for airborne exposure exists.

**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:** Safety goggles or safety glasses with side shields.

**Skin protection:** Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state:** Paste
- **Color:** Beige
- **Odor:** Mercaptan
- **Odor threshold:** Not available.
- **pH:** Not available.
- **Vapor pressure:** Not available.
- **Boiling point/range:** Not available.
- **Melting point/ range:** Not available.
- **Specific gravity:** 1.7000 - 2.0000
- **Vapor density:** Not available.
- **Flash point:** Product is a solid.
- **Flammable/Explosive limits - lower:** Not available.
- **Flammable/Explosive limits - upper:** Not available.
- **Autoignition temperature:** Not available.
- **Evaporation rate:** Not available.
- **Solubility in water:** Insoluble
- **Partition coefficient (n-octanol/water):** Not available.
- **VOC content:** < 1 %
- **Viscosity:** Not available.
- **Decomposition temperature:** Not available.
## 10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.


Incompatible materials: None.

Reactivity: Not available.

Conditions to avoid: None known.

## 11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin contact, Eye contact, Ingestion

Potential Health Effects/Symptoms

- **Inhalation:** Not expected under normal conditions of use.
- **Skin contact:** Causes skin irritation.
- **Eye contact:** Contact with eyes can cause eye irritation.
- **Ingestion:** May be harmful if swallowed.

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>LD50s and LC50s</th>
<th>Immediate and Delayed Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>Oral LD50 (RAT) = 6,450 mg/kg</td>
<td>Nuisance dust</td>
</tr>
<tr>
<td>Polymercapitan hardener</td>
<td>None</td>
<td>No Records</td>
</tr>
<tr>
<td>Talc</td>
<td>None</td>
<td>Irritant, Lung. Some evidence of carcinogenicity</td>
</tr>
<tr>
<td>Substituted aminophenol</td>
<td>None</td>
<td>Irritant, Allergen</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen (Specifically Regulated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Polymercapitan hardener</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Talc</td>
<td>No</td>
<td>Group 2B</td>
<td>No</td>
</tr>
<tr>
<td>Substituted aminophenol</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

## 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: It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24.

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: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information
- CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Mary Ellen Roddy, Sr. Regulatory Affairs Specialist

Issue date: 12/18/2014
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