



Revision Number: 006.1

Issue date: 11/06/2025

## 1. IDENTIFICATION

|                                           |                                                                           |                     |                |
|-------------------------------------------|---------------------------------------------------------------------------|---------------------|----------------|
| <b>Product name:</b>                      | <b>LOCTITE EA 3476 RESIN known as<br/>Fixmaster Stainless Steel Putty</b> | <b>IDH number:</b>  | 702236         |
| <b>Product type/<br/>Recommended use:</b> | Epoxy resin                                                               | <b>Item number:</b> | 97443_10234000 |
| <b>Restriction of Use:</b>                | None identified                                                           | <b>Region:</b>      | Canada         |
| <b>Company address:</b>                   | <b>Contact information:</b>                                               |                     |                |
| Henkel Canada Corporation                 | Telephone: +1 (905) 814-6511                                              |                     |                |
| Meadowpine Boulevard 2515                 | MEDICAL EMERGENCY Phone: Poison Control Center                            |                     |                |
| Mississauga, Ontario L5N 6C3              | 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                              |                     |                |
|                                           | 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:** H315 - CAUSES SKIN IRRITATION.  
H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.  
H319 - CAUSES SERIOUS EYE IRRITATION.

| HAZARD CLASS       | HAZARD CATEGORY |
|--------------------|-----------------|
| SKIN IRRITATION    | 2               |
| EYE IRRITATION     | 2A              |
| SKIN SENSITIZATION | 1               |

### PICTOGRAM(S)



### Precautionary Statements

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention:</b> | P261 - Avoid breathing mist/vapours.<br>P264 - Wash affected area thoroughly after handling.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.                                                                                                                                                                                                                                                                                                                     |
| <b>Response:</b>   | P280 - Wear protective gloves, eye protection, and face protection.<br>P302+P352 - IF ON SKIN: Wash with plenty of water.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P333+P313 - If skin irritation or rash occurs: Get medical attention.<br>P337+P313 - If eye irritation persists: Get medical attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse. |
| <b>Storage:</b>    | Not prescribed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Disposal:</b>   | P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.                                                                                                                                                                                                                                                                                                                                                                            |

IDH number: 702236

Product name: LOCTITE EA 3476 RESIN known as Fixmaster Stainless Steel Putty

**Other hazards** Not available.

Classification complies with Canadian Hazardous Products Regulations and is consistent with the provision 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 | Weight %* |
|----------------------------------------------------|------------|-----------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | 25068-38-6 | 10 - 30   |

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

### 4. FIRST AID MEASURES

#### First Aid Measures by likely routes of exposure

|                                                                                  |                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>                                                               | Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.                                                                           |
| <b>Skin contact:</b>                                                             | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. |
| <b>Eye contact:</b>                                                              | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.                                                                                                                                                 |
| <b>Ingestion:</b>                                                                | DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.                                                                                         |
| <b>Most important symptoms and effects (acute and delayed):</b>                  | The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.                                                                                                              |
| <b>Indication of any immediate medical attention / special treatment needed:</b> | Treat symptomatically and supportively.                                                                                                                                                                                                     |

### 5. FIRE FIGHTING MEASURES

|                                           |                                                                                                                                                                                                                                                    |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.                                                                                                                                                                                           |
| <b>Improper extinguishing agents:</b>     | Not available.                                                                                                                                                                                                                                     |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Use water spray to keep fire exposed containers cool and disperse vapors. Caution should be exercised when using water or foam as frothing may occur. |
| <b>Unusual fire or explosion hazards:</b> | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.                                                                                                                                                          |

**Hazardous combustion products:**

Oxides of carbon. Acids. Phenolics. Aldehydes. Toxic fumes. 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.

**Environmental precautions:**

Do not allow product to enter sewer or waterways.

**Clean-up methods:**

Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.

## 7. HANDLING AND STORAGE

**Handling:**

Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation. Keep container closed.

**Storage:**

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame. Protect from direct sunlight.

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 |
|------------------------|-----------|----------|-----------|-------|
| None                   | None      | None     | None      | None  |

**Engineering controls:**

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

**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. Full face protection should be used if the potential for splashing or spraying of product exists.

**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

|                                            |                                        |
|--------------------------------------------|----------------------------------------|
| <b>Physical state:</b>                     | Paste                                  |
| <b>Color:</b>                              | Gray / Grey                            |
| <b>Odor:</b>                               | Mild                                   |
| <b>Odor threshold:</b>                     | Not available.                         |
| <b>pH:</b>                                 | Not available.                         |
| <b>Vapor pressure:</b>                     | Not available.                         |
| <b>Boiling point/range:</b>                | Not available.                         |
| <b>Melting point/ range:</b>               | Not available.                         |
| <b>Density/Relative density:</b>           | 3.832                                  |
| <b>Relative vapor density:</b>             | > 1 (Air = 1)                          |
| <b>Flash point:</b>                        | 149 °C (300.2 °F) Tagliabue closed cup |
| <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>                                          | Less than butyl acetate.                                              |
| <b>Solubility:</b>                                                | Insoluble                                                             |
| <b>Partition coefficient n-octanol/water (logarithmic value):</b> | Not available.                                                        |
| <b>VOC content:</b>                                               | < 1.0 %; < 10 g/l (value for resin and hardener together) (estimated) |
| <b>Dynamic viscosity:</b>                                         | Not available.                                                        |
| <b>Kinematic viscosity:</b>                                       | Not available.                                                        |
| <b>Particle characteristics:</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. Acids. Aldehydes. Phenolics. Toxic fumes. Irritating vapors.                                                                                    |
| <b>Incompatible materials:</b>           | Strong oxidizing agents. Combustible materials. Metals. Acids. Alkalis. Water. Strong bases. Amines. Mercaptans. Strong Lewis acids. Strong mineral acids. Bases. |
| <b>Reactivity:</b>                       | Not available.                                                                                                                                                    |
| <b>Conditions to avoid:</b>              | None known.                                                                                                                                                       |

## 11. TOXICOLOGICAL INFORMATION

**Likely routes of exposure:** Skin, Inhalation, Eyes, Ingestion

### Potential Health Effects/Symptoms

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Inhalation of vapors or mists of the product may be irritating to the respiratory system. May cause respiratory tract irritation. |
| <b>Skin contact:</b> | May cause allergic skin reaction. Causes skin irritation.                                                                         |
| <b>Eye contact:</b>  | Causes serious eye irritation.                                                                                                    |
| <b>Ingestion:</b>    | May cause gastrointestinal tract irritation if swallowed. Not expected under normal conditions of use.                            |

| Hazardous Component(s)                             | LD50s and LC50s |
|----------------------------------------------------|-----------------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None            |

| Hazardous Component(s)                             | Immediate Health Effects | Delayed Health Effects | Chronic Health Effects |
|----------------------------------------------------|--------------------------|------------------------|------------------------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | Irritant                 | Allergen               |                        |

| Hazardous Component(s)                             | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------------------------------|----------------|-----------------|------------------------------------------|
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | No             | No              | 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.

### 14. TRANSPORT INFORMATION

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

#### Canada Transportation of Dangerous Goods - Ground

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

#### International Air Transportation (ICAO/IATA)

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

#### Water Transportation (IMO/IMDG)

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

### 15. REGULATORY INFORMATION

#### Canada Regulatory Information

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

#### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

### 16. OTHER INFORMATION

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

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

**Issue date:** 11/06/2025

**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.

This Safety Data Sheet has been generated based on the Canadian Hazardous Products Regulations (WHMIS 2015) and provides information in accordance with Canadian law only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.



Revision Number: 011.1

Issue date: 11/06/2025

## 1. IDENTIFICATION

|                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |              |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|
| <b>Product name:</b>                                                                   | <b>LOCTITE EA 3476 HARDENER known as Fixmaster Stainles Steel Putty</b>                                                                                                                                                                                                                                                                                                                                                                                                     | <b>IDH number:</b>  | 702237       |
| <b>Product type/Recommended use:</b>                                                   | Epoxy Hardener                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Item number:</b> | 97443_653356 |
| <b>Restriction of Use:</b>                                                             | None identified                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Region:</b>      | Canada       |
| <b>Company address:</b>                                                                | <b>Contact information:</b><br>Telephone: +1 (905) 814-6511<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>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 |                     |              |
| Henkel Canada Corporation<br>Meadowpine Boulevard 2515<br>Mississauga, Ontario L5N 6C3 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |              |

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**DANGER:**

- H302 - HARMFUL IF SWALLOWED.
- H314 - CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
- H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.
- H331 - TOXIC IF INHALED.
- H334 - MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.
- H351 - SUSPECTED OF CAUSING CANCER.
- H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

| HAZARD CLASS              | HAZARD CATEGORY |
|---------------------------|-----------------|
| ACUTE TOXICITY ORAL       | 4               |
| ACUTE TOXICITY INHALATION | 3               |
| SKIN CORROSION            | 1               |
| SERIOUS EYE DAMAGE        | 1               |
| RESPIRATORY SENSITIZATION | 1               |
| SKIN SENSITIZATION        | 1               |
| CARCINOGENICITY           | 2               |
| REPRODUCTIVE TOXICITY     | 2               |

### PICTOGRAM(S)



### Precautionary Statements

#### Prevention:

P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 Product name: LOCTITE EA 3476 HARDENER known as Fixmaster Stainles Steel Putty

IDH number: 702237

**Response:**

P260 - Do not breathe dust.  
P264 - Wash affected area 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, clothing, eye and face protection.  
P284 - [In case of inadequate ventilation] wear respiratory protection.  
P301+P312+P330 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing.  
P304+P340+P310 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - IF exposed or concerned: Get medical attention.  
P333+P313 - If skin irritation or rash occurs: Get medical attention.  
P342+P311 - If experiencing respiratory symptoms: Call a poison center or physician.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

**Storage:****Disposal:****Other hazards**

Not available.

Classification complies with Canadian Hazardous Products Regulations and is consistent with the provision 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  | Weight %* |
|-------------------------------------------------------------------------------------------------------|-------------|-----------|
| 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with bisphenol A diglycidyl ether homopolymer | 68411-71-2  | 10 - 30   |
| Calcium carbonate                                                                                     | 471-34-1    | 30 - 60   |
| Fatty acids, C18 unsaturated, dimers, polymers with tall oil fatty acids and triethylenetetramine     | 68082-29-1  | 10 - 30   |
| Diethylenetriamine                                                                                    | 111-40-0    | 5 - 10    |
| 3,6-diazaoctanethylenediamine                                                                         | 112-24-3    | 5 - 10    |
| 4-nonylphenol, branched                                                                               | 84852-15-3  | 1 - 5     |
| Silica Filler                                                                                         | 112926-00-8 | 5 - 10    |
| Titanium dioxide                                                                                      | 13463-67-7  | 1 - 5     |
| Amines, polyethylenepoly-, triethylenetetramine fraction                                              | 90640-67-8  | 1 - 5     |
| 1,2-Ethanediamine, N1,N1-bis(2-aminoethyl)-                                                           | 4097-89-6   | 1 - 5     |
| Phenol, 2-nonyl-, branched                                                                            | 91672-41-2  | 0.1 - 1   |
| 2-(2-aminoethylamino)ethanol                                                                          | 111-41-1    | 0.1 - 1   |
| 4-Methylimidazole                                                                                     | 822-36-6    | 0.1 - 1   |
| N-Aminoethylpiperazine                                                                                | 140-31-8    | 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

### First Aid Measures by likely routes of exposure

|                                                                                  |                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>                                                             | Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. |
| <b>Eye contact:</b>                                                              | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.                                                                                                                |
| <b>Ingestion:</b>                                                                | Rinse the mouth. Drink 1-2 glasses of water. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.           |
| <b>Most important symptoms and effects (acute and delayed):</b>                  | The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.                                                                             |
| <b>Indication of any immediate medical attention / special treatment needed:</b> | Not available.                                                                                                                                                                                             |

## 5. FIRE FIGHTING MEASURES

|                                           |                                                                                                                                                                                                                                                         |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.                                                                                                                                                                                                |
| <b>Improper extinguishing agents:</b>     | Not available.                                                                                                                                                                                                                                          |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.                                                                                                                                                            |
| <b>Unusual fire or explosion hazards:</b> | Burning produces obnoxious and toxic fumes. Personnel in vicinity and downwind should be evacuated. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or water courses. |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Oxides of nitrogen. Acids. Ammonia. Calcium oxide. Chlorine. Phenolics. Toxic fumes. 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>          | Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal. |

## 7. HANDLING AND STORAGE

### Handling:

Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation. Keep container closed.

### Storage:

For safe storage, store between 2 °C (35.6 °F) and 8 °C (46.4 °F). Store in original container until ready to use. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame.

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 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------|
| Calcium carbonate             | 10 mg/m3 TWA<br>Total dust.<br>3 mg/m3 TWA<br>Respirable particles.<br>10 mg/m3 TWA<br>Inhalable particles. | 15 mg/m3 PEL<br>Total dust.<br>5 mg/m3 PEL<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust.<br>50 MPPCF TWA<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>5 mg/m3 TWA<br>Respirable fraction.<br>15 mg/m3 PEL<br>Total dust.<br>5 mg/m3 PEL<br>Respirable fraction. | None                             | None  |
| Diethylenetriamine            | 1 ppm TWA<br>(SKIN)                                                                                         | None                                                                                                                                                                                                                                                                                  | None                             | None  |
| 3,6-diazaoctanethylenediamine | None                                                                                                        | None                                                                                                                                                                                                                                                                                  | 1 ppm (6 mg/m3)<br>TWA<br>(SKIN) | None  |
| Silica Filler                 | 10 mg/m3 TWA<br>Inhalable particles.<br>3 mg/m3 TWA<br>Respirable particles.<br>6 mg/m3 TWA                 | 50 MPPCF TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust.<br>20 MPPCF TWA<br>0.8 mg/m3 TWA                                                                                                            | None                             | None  |
| Titanium dioxide              | 0.2 mg/m3 TWA<br>Respirable nanoscale particles<br>2.5 mg/m3 TWA<br>Respirable finescale particles          | 15 mg/m3 PEL<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.                                                                                                              | None                             | None  |

### Engineering controls:

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory protection:</b> | Use NIOSH approved respirator if there is potential to exceed exposure limit(s).                                                                      |
| <b>Eye/face protection:</b>    | Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. |
| <b>Skin protection:</b>        | Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.                               |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                                   |                                                                       |
|-------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Physical state:</b>                                            | Paste, Solid, Product is a solid by ASTM D4359-90                     |
| <b>Color:</b>                                                     | Dark, Blue, Gray / Grey                                               |
| <b>Odor:</b>                                                      | Amine                                                                 |
| <b>Odor threshold:</b>                                            | Not available.                                                        |
| <b>pH:</b>                                                        | Not applicable                                                        |
| <b>Vapor pressure:</b>                                            | Not available.                                                        |
| <b>Boiling point/range:</b>                                       | Not determined                                                        |
| <b>Melting point/ range:</b>                                      | Not available.                                                        |
| <b>Density/Relative density:</b>                                  | 1.57                                                                  |
| <b>Relative vapor density:</b>                                    | Not available.                                                        |
| <b>Flash point:</b>                                               | > 93 °C (> 199.4 °F) Tagliabue closed cup                             |
| <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:</b>                                                | Slight Water                                                          |
| <b>Partition coefficient n-octanol/water (logarithmic value):</b> | Not available.                                                        |
| <b>VOC content:</b>                                               | < 1.0 %; < 10 g/l (value for resin and hardener together) (estimated) |
| <b>Dynamic viscosity:</b>                                         | Not available.                                                        |
| <b>Kinematic viscosity:</b>                                       | Not available.                                                        |
| <b>Particle characteristics:</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> | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen. Acids. Ammonia. Calcium oxide. Chlorine. Phenolics. Toxic fumes. Nitrosamines. Irritating vapors.                                                                                                                                                                 |
| <b>Incompatible materials:</b>           | Acids. Oxidizing agents. Peroxides. Sodium hypochlorite. Amines. This product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Nitrous acid and other nitrosating agents. CAUTION! N-nitrosamines (many of which are known to be potent carcinogens) may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations. |
| <b>Reactivity:</b>                       | Not available.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Conditions to avoid:</b>              | Keep away from heat, ignition sources and incompatible materials.                                                                                                                                                                                                                                                                                                                                      |

## 11. TOXICOLOGICAL INFORMATION

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

## Potential Health Effects/Symptoms

|                      |                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Can cause severe irritation and burns to the respiratory tract. May cause allergic respiratory reaction. Shortness of breath. Harmful if inhaled.                                                                           |
| <b>Skin contact:</b> | Causes skin burns. May cause allergic skin reaction. Product may be absorbed through skin and cause nausea, headache and general discomfort.                                                                                |
| <b>Eye contact:</b>  | Causes serious eye damage.                                                                                                                                                                                                  |
| <b>Ingestion:</b>    | If ingested, severe burns of the mouth and throat may occur, as well as perforation of the esophagus and the stomach. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. |

| Hazardous Component(s)                                                                                | LD50s and LC50s                                                                                                                  |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with bisphenol A diglycidyl ether homopolymer | None                                                                                                                             |
| Calcium carbonate                                                                                     | Oral LD50 (Rat) = 6,450 mg/kg<br>Oral LD50 (Mouse) = 6,450 mg/kg<br>Inhalation LC50 (Rat, 4 h) = > 3 mg/l                        |
| Fatty acids, C18 unsaturated, dimers, polymers with tall oil fatty acids and triethylenetetramine     | None                                                                                                                             |
| Diethylenetriamine                                                                                    | Oral LD50 (Rat) Approximate 1,140 mg/kg<br>Oral LD50 (Rat) = 1,080 mg/kg<br>Oral LD50 (Rat) = 2.33 g/kg                          |
| 3,6-diazaoctanethylenediamine                                                                         | None                                                                                                                             |
| 4-nonylphenol, branched                                                                               | None                                                                                                                             |
| Silica Filler                                                                                         | None                                                                                                                             |
| Titanium dioxide                                                                                      | Inhalation LC50 (Rat, 4 h) = > 6.82 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 2.28 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 3.56 mg/l |
| Amines, polyethylenepoly-, triethylenetetramine fraction                                              | None                                                                                                                             |
| 1,2-Ethanediamine, N1,N1-bis(2-aminoethyl)-                                                           | None                                                                                                                             |
| Phenol, 2-nonyl-, branched                                                                            | None                                                                                                                             |
| 2-(2-aminoethylamino)ethanol                                                                          | Oral LD50 (Rat) = 3,000 mg/kg                                                                                                    |
| 4-Methylimidazole                                                                                     | Oral LD50 (Mouse) = 370 mg/kg<br>Oral LD50 (Rat) = 751 mg/kg<br>Dermal LD50 (Rabbit) = 440 mg/kg                                 |
| N-Aminoethylpiperazine                                                                                | None                                                                                                                             |

| Hazardous Component(s)                                                                                | Immediate Health Effects | Delayed Health Effects | Chronic Health Effects                             |
|-------------------------------------------------------------------------------------------------------|--------------------------|------------------------|----------------------------------------------------|
| 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with bisphenol A diglycidyl ether homopolymer |                          |                        |                                                    |
| Calcium carbonate                                                                                     | Nuisance dust            |                        |                                                    |
| Fatty acids, C18 unsaturated, dimers, polymers with tall oil fatty acids and triethylenetetramine     |                          |                        |                                                    |
| Diethylenetriamine                                                                                    | Irritant                 | Allergen               | Eyes                                               |
| 3,6-diazaoctanethylenediamine                                                                         | Corrosive<br>Irritant    | Allergen               | Developmental<br>Mutagen                           |
| 4-nonylphenol, branched                                                                               | Irritant<br>Corrosive    |                        |                                                    |
| Silica Filler                                                                                         | Nuisance dust            |                        |                                                    |
| Titanium dioxide                                                                                      | Irritant                 |                        | Respiratory<br>Some evidence of<br>carcinogenicity |
| Amines, polyethylenepoly-, triethylenetetramine fraction                                              |                          |                        |                                                    |
| 1,2-Ethanediamine, N1,N1-bis(2-aminoethyl)-                                                           |                          |                        |                                                    |
| Phenol, 2-nonyl-, branched                                                                            |                          |                        |                                                    |
| 2-(2-aminoethylamino)ethanol                                                                          | Irritant                 | Allergen               |                                                    |
| 4-Methylimidazole                                                                                     |                          |                        |                                                    |
| N-Aminoethylpiperazine                                                                                | Irritant<br>Corrosive    | Allergen               |                                                    |

| Hazardous Component(s)                                                                                | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen<br>(Specifically Regulated) |
|-------------------------------------------------------------------------------------------------------|----------------|-----------------|---------------------------------------------|
| 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with bisphenol A diglycidyl ether homopolymer | No             | No              | No                                          |
| Calcium carbonate                                                                                     | No             | No              | No                                          |
| Fatty acids, C18 unsaturated, dimers, polymers with tall oil fatty acids and triethylenetetramine     | No             | No              | No                                          |
| Diethylenetriamine                                                                                    | No             | No              | No                                          |
| 3,6-diazaoctanethylenediamine                                                                         | No             | No              | No                                          |
| 4-nonylphenol, branched                                                                               | No             | No              | No                                          |
| Silica Filler                                                                                         | No             | No              | No                                          |
| Titanium dioxide                                                                                      | No             | Group 2B        | No                                          |
| Amines, polyethylenepoly-, triethylenetetramine fraction                                              | No             | No              | No                                          |
| 1,2-Ethanediamine, N1,N1-bis(2-aminoethyl)-                                                           | No             | No              | No                                          |
| Phenol, 2-nonyl-, branched                                                                            | No             | No              | No                                          |
| 2-(2-aminoethylamino)ethanol                                                                          | No             | No              | No                                          |
| 4-Methylimidazole                                                                                     | No             | Group 2B        | No                                          |
| N-Aminoethylpiperazine                                                                                | No             | No              | 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.

## 14. TRANSPORT INFORMATION

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

### Canada Transportation of Dangerous Goods - Ground

**Proper shipping name:** AMINES, SOLID, CORROSIVE, N.O.S. (Triethylenetetramine, Diethylenetriamine, Nonylphenol)  
**Hazard class or division:** 8  
**Identification number:** UN 3259  
**Packing group:** II

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Amines, solid, corrosive, n.o.s. (Triethylenetetramine, Diethylenetriamine, Nonylphenol)  
**Hazard class or division:** 8  
**Identification number:** UN 3259  
**Packing group:** II

### Water Transportation (IMO/IMDG)

**Proper shipping name:** AMINES, SOLID, CORROSIVE, N.O.S. (Triethylenetetramine, Diethylenetriamine, Nonylphenol)  
**Hazard class or division:** 8  
**Identification number:** UN 3259  
**Packing group:** II  
**Marine pollutant:** Nonylphenol

## 15. REGULATORY INFORMATION

### Canada Regulatory Information

**CEPA DSL/NDSL Status:** Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

## 16. OTHER INFORMATION

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

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

**Issue date:** 11/06/2025

**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.

This Safety Data Sheet has been generated based on the Canadian Hazardous Products Regulations (WHMIS 2015) and provides information in accordance with Canadian law only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.