

Safety Data Sheet



Revision Number: 005.0

Issue date: 11/30/2021

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE ABLESTIK 286 PTB known as ECCOBOND 286 PTB 1LB 5 OZ QT
Product type/use: Epoxy Hardener
Restriction of Use: None identified
Company address: Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

IDH number: 1188147

Region: United States

Contact information:
Telephone: +1 (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

DANGER: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
MAY CAUSE AN ALLERGIC SKIN REACTION.

| HAZARD CLASS | HAZARD CATEGORY |
|--------------------|-----------------|
| SKIN CORROSION | 1B |
| SERIOUS EYE DAMAGE | 1 |
| SKIN SENSITIZATION | 1 |

PICTOGRAM(S)



Precautionary Statements

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

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.

Storage: 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* |
|----------------------------------------------------|-------------|-------------|
| Aluminium oxide - non fibrous form | 1344-28-1 | 60 - 90 |
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | 4246-51-9 | 10 - 30 |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | 25068-38-6 | 5 - 10 |
| Silica, amorphous, fumed, cryst.-free | 112945-52-5 | 1 - 5 |

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| | | |
|----------------------------------|------------|---------|
| Bisphenol-F Epichlorhydrin resin | 9003-36-5 | 0.1 - 1 |
| Titanium dioxide | 13463-67-7 | 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

| | |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation: | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| Skin contact: | 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. |
| Eye contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. |
| 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. In case of fire, keep containers cool with water spray. |
| Unusual fire or explosion hazards: | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. |
| Hazardous combustion products: | Oxides of carbon. Oxides of nitrogen. 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.

| | |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental precautions: | Do not allow product to enter sewer or waterways. |
| Clean-up methods: | 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: | For safe storage, store at or below 25 °C (77°F) 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.

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 |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
| Aluminium oxide - non fibrous form | 1 mg/m3 TWA Respirable fraction. 3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles. | 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. 50 MPPCF TWA Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction. | None | None |
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | None | None | None | None |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None | None | None | None |
| Silica, amorphous, fumed, cryst.-free | 3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles. | 20 MPPCF TWA 0.8 mg/m3 TWA 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction. | None | None |
| Bisphenol-F Epichlorohydrin resin | None | None | None | None |
| Titanium dioxide | 10 mg/m3 TWA | 15 mg/m3 PEL Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. | 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: | White |
| Odor: | Amine |
| Odor threshold: | Not available. |
| pH: | Not available. |
| Vapor pressure: | (25 °C (77°F)) Negligible |
| Boiling point/range: | Not available. |
| Melting point/ range: | Not applicable |
| Specific gravity: | 2.000 |
| Vapor density: | Not applicable |
| Flash point: | > 135 °C (> 275°F) |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Autoignition temperature: | Not available. |

| | |
|-------------------------------------------------|----------------|
| Flammability: | Not applicable |
| Evaporation rate: | Not available. |
| Solubility in water: | Soluble |
| Partition coefficient (n-octanol/water): | Not determined |
| VOC content: | Negligible |
| Viscosity: | Not available. |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

| | |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Stability: | Stable under normal conditions of storage and use. |
| Hazardous reactions: | Not available. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. |
| Incompatible materials: | Strong oxidizing agents. Acids. Peroxides. This product slowly corrodes copper, aluminum, zinc and galvanized surfaces. |
| Reactivity: | Not available. |
| Conditions to avoid: | High temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials. |

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

| | |
|----------------------|----------------------------------------------------------------------------------------------------------|
| Inhalation: | May cause respiratory tract irritation. |
| Skin contact: | Causes skin burns. May cause allergic skin reaction. |
| Eye contact: | Causes serious eye damage. Burns of the eye may cause blindness. |
| Ingestion: | Irritation and corrosive action can occur in the mouth, stomach tissue and digestive tract if swallowed. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Aluminium oxide - non fibrous form | Inhalation LC50 (Rat, 4 h) = > 0.888 mg/l Inhalation LC50 (Rat, 4 h) = > 2.3 mg/l | Irritant, Nuisance dust, Corrosive |
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | None | Corrosive |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | None | Allergen, Irritant |
| Silica, amorphous, fumed, cryst.-free | None | No Data |
| Bisphenol-F Epichlorohydrin resin | None | Allergen, Irritant |
| Titanium dioxide | Inhalation LC50 (Rat, 4 h) = > 6.82 mg/l Inhalation LC50 (Rat, 4 h) = > 2.28 mg/l Inhalation LC50 (Rat, 4 h) = > 3.56 mg/l | Irritant, Respiratory, Some evidence of carcinogenicity |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------------------------------|----------------|-----------------|------------------------------------------|
| Aluminium oxide - non fibrous form | No | No | No |
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | No | No | No |
| Epichlorohydrin-4,4'-isopropylidene diphenol resin | No | No | No |
| Silica, amorphous, fumed, cryst.-free | No | No | No |
| Bisphenol-F Epichlorohydrin resin | No | No | No |
| Titanium dioxide | 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.

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: Amines, liquid, corrosive, n.o.s. (3,3'-oxybis(ethyleneoxy)bis(propylamine))
Hazard class or division: 8
Identification number: UN 2735
Packing group: III

International Air Transportation (ICAO/IATA)

Proper shipping name: Amines, liquid, corrosive, n.o.s. (3,3'-oxybis(ethyleneoxy)bis(propylamine))
Hazard class or division: 8
Identification number: UN 2735
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (3,3'-oxybis(ethyleneoxy)bis(propylamine))
Hazard class or division: 8
Identification number: UN 2735
Packing group: III

15. REGULATORY INFORMATION

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.

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. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL 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: 13,16

Prepared by: Product Safety and Regulatory Affairs

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