1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE STYCAST 2850FT BK
Product type/Use: Epoxy adhesive
Restriction of Use: None identified
Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

IDH number: 1188119
Item number: 1188119
Region: United States
Contact information:
Telephone: +1 (860) 571-5100
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4508 (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.
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

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

PICTOGRAM(S)

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapors, mist, or spray. 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 ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. IF skin irritation or rash occurs: Get medical attention. IF eye irritation persists: Get medical attention. Take off contaminated clothing.

Storage: Store locked up.

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>Aluminium oxide - non fibrous form</td>
<td>1344-28-1</td>
<td>60 - 90</td>
</tr>
<tr>
<td>Epichlorhydrin-4,4'-isopropylidene diphenol resin</td>
<td>25068-38-6</td>
<td>10 - 30</td>
</tr>
</tbody>
</table>

IDH number: 1188119
butyl glycidyl ether 2426-08-6 0.1 - 1
Carbon black 1333-86-4 0.1 - 1

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

4. FIRST AID MEASURES

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

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.


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: Prevent further leakage or spillage if safe to do so. 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: 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.

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>AIHA WEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium oxide - non fibrous form</td>
<td>1 mg/m³ TWA Respirable fraction.</td>
<td>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.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Epichlorohydrin-4,4-isopropylidene diphenol resin</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>butyl glycidyl ether</td>
<td>3 ppm TWA (SKIN) Dermal sensitization</td>
<td>50 ppm (270 mg/m³) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Carbon black</td>
<td>3 mg/m³ TWA Inhalable fraction.</td>
<td>3.5 mg/m³ PEL</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>Black</td>
</tr>
<tr>
<td>Odor:</td>
<td>Slight</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>&lt; 0.1 mm hg (25 °C (77°F))</td>
</tr>
<tr>
<td>Boiling point/ range:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting point/ range:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific gravity:</td>
<td>2.4</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt; 93 °C (&gt; 199.4 °F)</td>
</tr>
<tr>
<td>Flammable/Explosive limits - lower:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammable/Explosive limits - upper:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not available.</td>
</tr>
<tr>
<td>VOC content:</td>
<td>&lt; 5 g/l</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: None under normal processing.
Incompatible materials: Strong acids and strong bases. Strong oxidizing agents.
Reactivity: Not available.
Conditions to avoid: High temperatures. Store away from incompatible materials. Heat, flames, sparks and other sources of ignition.

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 irritation. May cause allergic skin reaction.
Eye contact: Causes serious eye irritation.
Ingestion: May cause gastrointestinal tract irritation 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>Aluminium oxide - non fibrous form</td>
<td>None</td>
<td>Irritant, Nuisance dust, Corrosive</td>
</tr>
<tr>
<td>Epichlorohydrin-4,4'-isopropylidene diphenyl resin</td>
<td>None</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Butyl glycidyl ether</td>
<td>Oral LD50 (Rat) = 2,000 mg/kg&lt;br&gt;Oral LD50 (Rat) = 2.05 g/kg&lt;br&gt;Oral LD50 (Mouse) = 1.53 g/kg&lt;br&gt;Dermal LD50 (Rabbit) = 0.788 g/kg</td>
<td>Irritant, Allergen, Central nervous system, Liver, Mutagen</td>
</tr>
<tr>
<td>Carbon black</td>
<td>Oral LD50 (Rat) = &gt; 8,000 mg/kg</td>
<td>Respiratory, Some evidence of carcinogenicity</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>Aluminium oxide - non fibrous form</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Epichlorohydrin-4,4'-isopropylidene diphenyl resin</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Butyl glycidyl ether</td>
<td>No</td>
<td>Group 2B</td>
<td>No</td>
</tr>
<tr>
<td>Carbon black</td>
<td>No</td>
<td>Group 2B</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: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

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

IDH number: 1186119
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 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/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: Reviewed SDS. Reissued with new date.

Prepared by: Product Safety and Regulatory Affairs
Issue date: 07/22/2020

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 discloses any liability for consequential or incidental damages of any kind, including lost profits.

This Safety Data Sheet has been generated based on OSHA Hazard Communication Standard (29 CFR 1910.1200) and provides information in accordance with U.S. federal 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.
1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE CAT 9 AMB known as CATALYST 9 AMB 1LB
IDH number: 1186258

Product type/use: Catalyst
Item number: 1186268
Restriction of Use: None identified
Region: United States
Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067
Contact information:
Telephone: +1 (800) 571-5100
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4668 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-600-424-9300 (toll free) or 1-703-527-3897
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: HARMFUL IF SWALLOWED OR IN CONTACT WITH SKIN.
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
MAY CAUSE AN ALLERGIC SKIN REACTION.

HAZARD CLASS

<table>
<thead>
<tr>
<th>HAZARD CLASS</th>
<th>HAZARD CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACUTE TOXICITY ORAL</td>
<td>4</td>
</tr>
<tr>
<td>ACUTE TOXICITY DERMAL</td>
<td>4</td>
</tr>
<tr>
<td>SKIN CORROSION</td>
<td>1B</td>
</tr>
<tr>
<td>SERIOUS EYE DAMAGE</td>
<td>1</td>
</tr>
<tr>
<td>SKIN SENSITIZATION</td>
<td>1</td>
</tr>
</tbody>
</table>

PICTOGRAM(S)

Precautionary Statements

Prevention: Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. 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 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.


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>Tetraethylene pentamine</td>
<td>112-57-2</td>
<td>80 - 100</td>
</tr>
<tr>
<td>Triethylene tetramine</td>
<td>112-24-3</td>
<td>5 - 10</td>
</tr>
<tr>
<td>3,6,9,12-tetraazatetradecamethylenediamine</td>
<td>4067-16-7</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

* 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. Wash clothing before reuse. Get medical attention.

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 unless directed to do so by medical personnel. 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.


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. Advise authorities if product has entered or may enter sewers, water sources or extensive land areas.

Clean-up methods: Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until 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. Do not taste or swallow. Refer to Section 8.

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

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.

<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>Tetraethylenepentamine</td>
<td>None</td>
<td>None</td>
<td>(SKIN) Aerosol. 1 ppm (6 mg/m³)</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA Aerosol. (Skin sensitizer)</td>
<td></td>
</tr>
<tr>
<td>Triethylenetetramine</td>
<td>None</td>
<td>None</td>
<td>1 ppm (6 mg/m³) TWA (SKIN)</td>
<td>None</td>
</tr>
<tr>
<td>3,6,9,12-tetraazaletetradecamethylenediamine</td>
<td>None</td>
<td>None</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>Amber</td>
</tr>
<tr>
<td>Odor:</td>
<td>Amine</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not available</td>
</tr>
<tr>
<td>pH:</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>&lt; 0.1 mm Hg (20 °C (68°F))</td>
</tr>
<tr>
<td>Boiling point/range:</td>
<td>375 °C (707°F)</td>
</tr>
<tr>
<td>Melting point/range:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific gravity:</td>
<td>0.99</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>&gt; 1.0</td>
</tr>
<tr>
<td>Flash point:</td>
<td>160 °C (320°F) Pensky Martens closed cup</td>
</tr>
<tr>
<td>Flammable/Explosive limits - lower:</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammable/Explosive limits - upper:</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>Soluble</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not determined</td>
</tr>
<tr>
<td>VOC content:</td>
<td>441.5 g/l</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not available</td>
</tr>
</tbody>
</table>

IDH number: 1188268

Product name: LOCTITE CAT 9 AMB known as CATALYST 9 AMB 1LB

Page 3 of 6
10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.
Hazardous reactions: Will not occur.
Hazardous decomposition products: None reasonably foreseeable.
Incompatible materials: Nitrites.
Reactivity: Not available.
Conditions to avoid: 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: Mists, vapors or liquid may cause severe irritation or burns.
- Skin contact: Causes skin burns. Harmful in contact with skin. May cause allergic skin reaction.
- Eye contact: Causes serious eye damage. Harmful if swallowed. Irritation and corrosive action can occur in the mouth, stomach tissue and digestive tract if swallowed.
- Ingestion: 

<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>Tetraethylene pentamine</td>
<td>Oral LD50 (Rat) = 3.99 g/kg Oral LD50 (Rat) = 2.1 g/kg Dermal LD50 (Rabbit) = 0.66 g/kg</td>
<td>Irritant, Mutagen, Allergen</td>
</tr>
<tr>
<td>Triethylenetetramine</td>
<td>None</td>
<td>Allergen, Corrosive, Developmental, Irritant, Mutagen</td>
</tr>
<tr>
<td>3,6,9,12-tetraazaatetradecamethylenediamine</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>Tetraethylene pentamine</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Triethylenetetramine</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>3,6,9,12-tetraazaatetradecamethylenediamine</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

IDH number: 1188268

Product name: LOCTITE CAT 9 AMB known as CATALYST 9 AMB 1LB
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: D002: Corrosive.

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: Tetraethylenepentamine
Hazard class or division: 8
Identification number: UN 2320
Packing group: III

International Air Transportation (ICAO/IATA)
Proper shipping name: Tetraethylenepentamine
Hazard class or division: 8
Identification number: UN 2320
Packing group: III

Water Transportation (IMO/MDG)
Proper shipping name: TETRAETHYLENEPENTAMINE
Hazard class or division: 8
Identification number: UN 2320
Packing group: III

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: 2, 3, 11

Prepared by: Product Safety and Regulatory Affairs
Issue date: 08/07/2019

IDH number: 1188268
Product name: LOCTITE CAT 9 AMB known as CATALYST 9 AMB 1LB
Page 5 of 6
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 OSHA Hazard Communication Standard (29 CFR 1910.1200) and provides information in accordance with U.S. federal 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.