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Safety Data Sheet



Revision Number: 003.0

Issue date: 08/06/2014

**1. PRODUCT AND COMPANY IDENTIFICATION**

|                            |  |                             |  |
|----------------------------|--|-----------------------------|--|
| <b>Product name:</b>       | LOCTITE EA 9320NA AERO PART A<br>QT known as EA 9320NA PART A<br>QUART | <b>IDH number:</b>          | 1053928  |
| <b>Product type:</b>       | Adhesive for the Aerospace Industry                                    | <b>Item number:</b>         | AA9358016  |
| <b>Restriction of Use:</b> | None identified  | <b>Region:</b>              | United States  |
| <b>Company address:</b>    | Henkel Corporation<br>One Henkel Way<br>Rocky Hill, Connecticut 06067  | <b>Contact information:</b> | Telephone: (860) 571-5100<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>Internet: www.henkelna.com |

**2. HAZARDS IDENTIFICATION**

| EMERGENCY OVERVIEW |   |
|--------------------|---|
| <b>WARNING:</b>    | CAUSES SKIN IRRITATION.<br>MAY CAUSE AN ALLERGIC SKIN REACTION.<br>CAUSES SERIOUS EYE IRRITATION. |

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



**Precautionary Statements**

|                    |   |
|--------------------|---|
| <b>Prevention:</b> | Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.  |
| <b>Response:</b>   | IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. |
| <b>Storage:</b>    | Not prescribed  |
| <b>Disposal:</b>   | Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.   |

8 % of the mixture consists of Ingredient(s) of unknown acute toxicity.

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* |
|-------------------------|-------------|-------------|
| Epoxy resin             | Proprietary | 60 - 100    |
| Epoxy resin             | Proprietary | 5 - 10      |
| Modified Epoxy Resin    | Unknown     | 5 - 10      |
| Silicon dioxide         | 7631-86-9   | 1 - 5       |
| Glass, oxide, chemicals | 65997-17-3  | 1 - 5       |

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

### 4. FIRST AID MEASURES

|                            |   |
|----------------------------|---|
| <b>Inhalation:</b>         | If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist. |
| <b>Skin contact:</b>       | Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.                               |
| <b>Eye contact:</b>        | In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.              |
| <b>Ingestion:</b>          | Get immediate medical attention. Do not induce vomiting.  |
| <b>Symptoms:</b>           | See Section 11.   |
| <b>Notes to physician:</b> | Treat symptomatically and supportively.   |

### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.   |
| <b>Special firefighting procedures:</b>   | Wear full protective clothing. Wear self-contained breathing apparatus.  |
| <b>Unusual fire or explosion hazards:</b> | May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.                             |
| <b>Hazardous combustion products:</b>     | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen. |

### 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> | Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways. |
| <b>Clean-up methods:</b>          | Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.       |

## 7. HANDLING AND STORAGE

- Handling:** Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not cut, grind, weld, or drill on or near this container. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full.
- Storage:** Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

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   |
|-------------------------|--|--|-----------|---|
| Epoxy resin             | None   | None   | None      | None  |
| Epoxy resin             | None   | None   | None      | None  |
| Modified Epoxy Resin    | None   | None   | None      | None  |
| Silicon dioxide         | 6 mg/m <sup>3</sup> TWA  | 20 MPPCF TWA<br>0.8 mg/m <sup>3</sup> TWA  | None      | 3 mg/m <sup>3</sup> TWA<br>Respirable fraction. |
| Glass, oxide, chemicals | 10 mg/m <sup>3</sup> TWA<br>Inhalable dust.<br>3 mg/m <sup>3</sup> TWA<br>Respirable fraction. | 15 mg/m <sup>3</sup> TWA Total<br>dust.<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction. | None      | None  |

- Engineering controls:** Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.
- Respiratory protection:** If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
- Eye/face protection:** Wear chemical goggles; face shield (if splashing is possible).
- Skin protection:** Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state:** Liquid
- Color:** Beige
- Odor:** Epoxy
- Odor threshold:** Not available.
- pH:** Not applicable
- Vapor pressure:** Not available.
- Boiling point/range:** Not available.
- Melting point/ range:** Not available.
- Specific gravity:** Not available.
- Vapor density:** Not available.
- Flash point:** > 93 °C (> 199.4 °F)
- Flammable/Explosive limits - lower:** Not available.
- Flammable/Explosive limits - upper:** Not available.
- Autoignition temperature:** Not applicable
- Evaporation rate:** Not applicable
- Solubility in water:** Not miscible or difficult to mix
- Partition coefficient (n-octanol/water):** Not available.
- VOC content:** < 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated)
- Viscosity:** Not available.
- Decomposition temperature:** Not available.

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable at normal conditions.   |
| <b>Hazardous reactions:</b>              | May occur.   |
| <b>Hazardous decomposition products:</b> | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen. |
| <b>Incompatible materials:</b>           | This product may react with strong acids or oxidizing agents.  |
| <b>Reactivity:</b>                       | Not available.   |
| <b>Conditions to avoid:</b>              | Keep away from heat, ignition sources and incompatible materials.  |

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | This product is irritating to the respiratory system.                                     |
| <b>Skin contact:</b> | This product is irritating to the skin. This product may cause an allergic skin reaction. |
| <b>Eye contact:</b>  | This product is irritating to the eyes.   |
| <b>Ingestion:</b>    | Not expected under normal conditions of use.  |

| Hazardous Component(s)  | LD50s and LC50s                  | Immediate and Delayed Health Effects |
|-------------------------|----------------------------------|--------------------------------------|
| Epoxy resin             | None                             | Allergen, Irritant                   |
| Epoxy resin             | None                             | Allergen, Irritant                   |
| Modified Epoxy Resin    | None                             | No Data                              |
| Silicon dioxide         | Oral LD50 (RAT) = > 22,500 mg/kg | Nuisance dust                        |
| Glass, oxide, chemicals | None                             | Allergen, Respiratory                |

| Hazardous Component(s)  | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|-------------------------|----------------|-----------------|--|
| Epoxy resin             | No             | No              | No                                       |
| Epoxy resin             | No             | No              | No                                       |
| Modified Epoxy Resin    | No             | No              | No                                       |
| Silicon dioxide         | No             | No              | No                                       |
| Glass, oxide, chemicals | No             | No              | No                                       |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Toxic to aquatic organisms

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

**Hazardous waste number:** Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

### 14. TRANSPORT INFORMATION

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

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

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

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

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epichlorhydrin resin, Bisphenol A diglycidyl ether)  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Epichlorhydrin resin, Bisphenol A diglycidyl ether)  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III  
**Marine pollutant:** Bisphenol-A Epichlorhydrin resin, Bisphenol A diglycidyl ether  
**Exceptions:** Classified per IMDG Amendment 34; Effective Jan 1, 2010.

### 15. REGULATORY INFORMATION

#### United States Regulatory Information

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

**TSCA 12 (b) Export Notification:** None above reporting de minimis

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health  
**CERCLA/SARA Section 313:** None above reporting de minimis

**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. 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:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

### 16. OTHER INFORMATION

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

**Prepared by:** Mark Mau, Regulatory Affairs Specialist

**Issue date:** 08/06/2014

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**Safety Data Sheet**



Revision Number: 002.0

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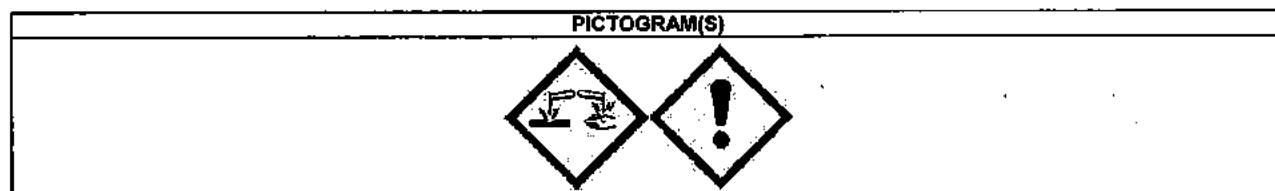
**1. PRODUCT AND COMPANY IDENTIFICATION**

|                               |  |                     |               |
|-------------------------------|--|---------------------|---------------|
| <b>Product name:</b>          | LOCTITE EA 9320NA AERO PART B<br>8OZ known as EA 9320NA PART B 8<br>OZ | <b>IDH number:</b>  | 1053929       |
| <b>Product type:</b>          | Adhesive for the Aerospace Industry                                    | <b>Item number:</b> | AB9358014     |
| <b>Restriction of Use:</b>    | None identified  | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>  |                     |               |
| Henkel Corporation            | Telephone: (860) 571-5100  |                     |               |
| One Henkel Way                | MEDICAL EMERGENCY Phone: Poison Control Center                         |                     |               |
| Rocky Hill, Connecticut 06067 | 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 |   |
|--------------------|---|
| <b>DANGER:</b>     | HARMFUL IF SWALLOWED.<br>CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.<br>MAY CAUSE AN ALLERGIC SKIN REACTION. |

| HAZARD CLASS        | HAZARD CATEGORY |
|---------------------|-----------------|
| ACUTE TOXICITY ORAL | 4               |
| SKIN CORROSION      | 1B              |
| SERIOUS EYE DAMAGE  | 1               |
| SKIN SENSITIZATION  | 1               |



**Precautionary Statements**

|                    |  |
|--------------------|--|
| <b>Prevention:</b> | Do not breathe vapors, mist, or spray. Wash 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, eye protection, and face protection.   |
| <b>Response:</b>   | If SWALLOWED: Immediately call poison control or physician if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Immediately call a poison control center or physician. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. |
| <b>Storage:</b>    | Store locked up.   |
| <b>Disposal:</b>   | 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* |
|--|-------------|-------------|
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | 4246-51-9   | 30 - 60     |
| Triethylenetetramine                     | 112-24-3    | 30 - 60     |
| Silane derivative                        | Proprietary | 1 - 5       |

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

### 4. FIRST-AID MEASURES

|                            |   |
|----------------------------|---|
| <b>Inhalation:</b>         | If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist. |
| <b>Skin contact:</b>       | Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.                               |
| <b>Eye contact:</b>        | Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.                      |
| <b>Ingestion:</b>          | Get immediate medical attention. Do not induce vomiting.  |
| <b>Symptoms:</b>           | See Section 11.   |
| <b>Notes to physician:</b> | Treat symptomatically and supportively.   |

### 5. FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.  |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Cartridge respirators do not provide adequate protection for fire fighters or exotherm mitigation. |
| <b>Unusual fire or explosion hazards:</b> | May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.  |
| <b>Hazardous combustion products:</b>     | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.  |

### 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> | Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways. |
| <b>Clean-up methods:</b>          | Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.       |



## 7. HANDLING AND STORAGE

- Handling:** For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Do not heat Part B at temperatures greater than 100 °C (212 °F). This material may self-react at higher temperatures and cause an exotherm. The exotherm has the potential for release of excessive energy and toxic gasses. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full. Do not cut, grind, weld, or drill on or near this container.
- Storage:** For safe storage, store between 0 °C (32°F) and 25 °C (77°F) Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

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 |
|--|-----------|----------|----------------------------------|-------|
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | None      | None     | None                             | None  |
| Triethylenetetramine                     | None      | None     | 1 ppm (6 mg/m3)<br>TWA<br>(SKIN) | None  |
| Silane derivative                        | None      | None     | None                             | None  |

- 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:** If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
- Eye/face protection:** Wear chemical goggles; face shield (if splashing is possible).
- Skin protection:** Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |   |
|---|---|
| <b>Physical state:</b>                          | Liquid  |
| <b>Color:</b>                                   | Blue  |
| <b>Odor:</b>                                    | Ammoniacal  |
| <b>Odor threshold:</b>                          | Not available.  |
| <b>pH:</b>                                      | Not determined  |
| <b>Vapor pressure:</b>                          | Not determined  |
| <b>Boiling point/range:</b>                     | Not determined  |
| <b>Melting point/ range:</b>                    | Not determined  |
| <b>Specific gravity:</b>                        | 1.0   |
| <b>Vapor density:</b>                           | Not applicable  |
| <b>Flash point:</b>                             | > 93 °C (> 199.4 °F)  |
| <b>Flammable/Explosive limits - lower:</b>      | Not determined  |
| <b>Flammable/Explosive limits - upper:</b>      | Not determined  |
| <b>Autoignition temperature:</b>                | Not applicable  |
| <b>Evaporation rate:</b>                        | Not determined  |
| <b>Solubility in water:</b>                     | Negligible  |
| <b>Partition coefficient (n-octanol/water):</b> | Not determined  |
| <b>VOC content:</b>                             | < 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated) |
| <b>Viscosity:</b>                               | Not available.  |
| <b>Decomposition temperature:</b>               | Not available.  |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable at normal conditions.   |
| <b>Hazardous reactions:</b>              | May occur.   |
| <b>Hazardous decomposition products:</b> | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.   |
| <b>Incompatible materials:</b>           | Keep away from strong oxidizing agents, strong Lewis or mineral acids.   |
| <b>Reactivity:</b>                       | Not available.   |
| <b>Conditions to avoid:</b>              | Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Do not heat mixed adhesive unless you plan to use immediately. Failure to observe these precautions may result in excessive heat build-up causing an exotherm. |

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Mists, vapors or liquid may cause severe irritation or burns. May cause allergic respiratory reaction.  |
| <b>Skin contact:</b> | This product is severely irritating to the skin and may cause burns. This product may cause an allergic skin reaction. May be harmful if absorbed through skin. |
| <b>Eye contact:</b>  | This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.  |
| <b>Ingestion:</b>    | Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.   |

| Hazardous Component(s)                   | LD50s and LC50s | Immediate and Delayed Health Effects                  |
|--|-----------------|---|
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | None            | Corrosive   |
| Triethylenetetramine                     | None            | Allergen, Corrosive, Developmental, Irritant, Mutagen |
| Silane derivative                        | None            | Irritant, Allergen                                    |

| Hazardous Component(s)                   | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| 3,3'-Oxybis(ethyleneoxy)bis(propylamine) | No             | No              | No                                       |
| Triethylenetetramine                     | No             | No              | No                                       |
| Silane derivative                        | No             | No              | No                                       |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

**Hazardous waste number:** This product, if discarded, may be characterized as a RCRA corrosive waste, D002.

### 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. (Diethylene glycol di-(3-aminopropyl) ether, Triethylenetetramine)

**Hazard class or division:** 8

**Identification number:** UN 2735

**Packing group:** II

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

**Proper shipping name:** Amines, liquid, corrosive, n.o.s. (Diethylene glycol di-(3-aminopropyl) ether, Triethylenetetramine)

**Hazard class or division:** 8

**Identification number:** UN 2735

**Packing group:** II

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Diethylene glycol di-(3-aminopropyl) ether, Triethylenetetramine)

**Hazard class or division:** 8

**Identification number:** UN 2735

**Packing group:** II

### 15. REGULATORY INFORMATION

#### United States Regulatory Information

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

**TSCA 12 (b) Export Notification:** None above reporting de minimis

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis

**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health

**CERCLA/SARA Section 313:** None above reporting de minimis

**California Proposition 65:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

#### Canada Regulatory Information

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

### 16. OTHER INFORMATION

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

**Prepared by:** Mark Mau, Regulatory Affairs Specialist

**Issue date:** 08/06/2014

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