

# Safety Data Sheet



Revision Number: 003.0

Issue date: 03/04/2025

## 1. IDENTIFICATION

Product name:	LOCTITE EA 9394S AERO PART A 2.5OZ	IDH number:	937117
Product type/ Recommended use:	Part A of 2-K-Epoxy Adhesive	Item number:	AA9297301
Restriction of Use:	None identified	Region:	United States
Company address:	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	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 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: <a href="http://www.henkelna.com">www.henkelna.com</a>

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

WARNING:	H315 - CAUSES SKIN IRRITATION. H317 - MAY CAUSE AN ALLERGIC SKIN REACTION. H319 - CAUSES SERIOUS EYE IRRITATION.
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HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1

### PICTOGRAM(S)



### Precautionary Statements

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

**Other hazards** Not available.

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	Weight %*
Aluminum not powder, dust or fume	7429-90-5	30 - 60
Tetraglycidyl diaminodiphenylmethane	28768-32-3	30 - 60
Epoxy resin	Proprietary	10 - 30
Modified epoxy resin	Unknown	5 - 10
Treated fumed silica	67762-90-7	1 - 5

\* 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>	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Remove contaminated clothing and footwear. Wash clothing before reuse. 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. Never give anything by mouth to an unconscious person.
<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 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. In case of fire, keep containers cool with water spray.
<b>Hazardous combustion products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### 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>	Scrape up spilled material and place in a closed container for disposal. Dispose of according to Federal, State and local governmental regulations.

## 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe fumes or dust from this material. For industrial use only.

**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.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Aluminum not powder, dust or fume	1 mg/m <sup>3</sup> TWA Respirable fraction.	None	None	None
Treated fumed silica	10 mg/m <sup>3</sup> TWA Inhalable dust. 3 mg/m <sup>3</sup> TWA Respirable fraction.	15 mg/m <sup>3</sup> TWA Total dust. 5 mg/m <sup>3</sup> TWA Respirable fraction.	None	None

**Engineering controls:** Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

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

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

**Skin protection:** Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	paste
<b>Color:</b>	Gray / Grey
<b>Odor:</b>	Epoxy
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable. Product is non-soluble (in water).
<b>Vapor pressure:</b>	< 0.1 hPa (20 °C (68°F))
<b>Boiling point/range:</b>	> 200 °C (> 392°F)
<b>Melting point/ range:</b>	-18 °C (0.4 °F)
<b>Density/Relative density:</b>	1.49
<b>Relative vapor density:</b>	Not applicable, Product is a solid
<b>Flash point:</b>	Not applicable
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not determined
<b>Flammability:</b>	The product is not flammable.
<b>Evaporation rate:</b>	Not determined
<b>Solubility:</b>	Not soluble Water
<b>Solubility:</b>	Partially miscible ketones
<b>Partition coefficient n-octanol/water (logarithmic value):</b>	Not available.
<b>VOC content:</b>	< 10 g/l (SCAQMD Rule 1124)
<b>Dynamic viscosity:</b>	400,000 - 800,000 mPa.s
<b>Kinematic viscosity:</b>	Not available.
<b>Particle characteristics:</b>	Not applicable, Product is not powder.
<b>Decomposition temperature:</b>	> 200 °C

## 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.
<b>Incompatible materials:</b>	Strong oxidizing agents. Strong acids and strong bases.
<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. Keep away from heat, ignition sources and incompatible materials. High temperatures.

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

<b>Inhalation:</b>	May cause dizziness, incoordination, headache, nausea, and vomiting. Inhalation of vapors or mists of the product may be irritating to the respiratory system.
<b>Skin contact:</b>	Causes skin irritation. May cause allergic skin reaction.
<b>Eye contact:</b>	Causes serious eye irritation.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Hazardous Component(s)	LD50s and LC50s
Aluminum not powder, dust or fume	Inhalation LC50 (Rat, 4 h) = > 0.888 mg/l
Tetraglycidyl diaminodiphenylmethane	Inhalation LC50 (Rat, 4 h) = > 30 mg/m3
Epoxy resin	None
Modified epoxy resin	None
Treated fumed silica	None

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Aluminum not powder, dust or fume	Irritant		Central nervous system Lung
Tetraglycidyl diaminodiphenylmethane	Irritant	Allergen	Blood Central nervous system Gastrointestinal Kidney Liver Mutagen Nervous System
Epoxy resin	Irritant	Allergen	
Modified epoxy resin			
Treated fumed silica	Irritant		

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Aluminum not powder, dust or fume	No	No	No
Tetraglycidyl diaminodiphenylmethane	No	No	No
Epoxy resin	No	No	No
Modified epoxy resin	No	No	No
Treated fumed silica	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.

## 14. TRANSPORT INFORMATION

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

### 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, solid, n.o.s. (Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin)
Hazard class or division:	9
Identification number:	UN 3077
Packing group:	III

### Water Transportation (IMO/IMDG)

Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin)
Hazard class or division:	9
Identification number:	UN 3077
Packing group:	III
Marine pollutant:	Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin

## 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:

Please refer to the GHS classification in Section 2

#### CERCLA/SARA Section 313:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Aluminum not powder, dust or fume (CAS# 7429-90-5).

#### 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:

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 Safety Data Sheet format.

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

**Issue date:** 03/04/2025

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# Safety Data Sheet



Revision Number: 003.0

Issue date: 01/22/2025

## 1. IDENTIFICATION

Product name:	LOCTITE EA 9394S AERO PART B 2.5OZ	IDH number:	937118
Product type/ Recommended use:	Part B of 2-Component Epoxy Adhesive.	Item number:	AB9297302
Restriction of Use:	None identified	Region:	United States
Company address:	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	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 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: <a href="http://www.henkelna.com">www.henkelna.com</a>

## 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.
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HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	4
SKIN CORROSION	1C - Corrosive
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1

### PICTOGRAM(S)



### Precautionary Statements

Prevention:	P260 - Do not breathe vapors, mist, or spray. P264 - Wash affected area thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves, clothing, eye and face protection.
Response:	P301+P312+P330 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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. P333+P313 - If skin irritation or rash occurs: Get medical attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P405 - Store locked up.
Storage:	P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.
Disposal:	

**Other hazards** Not available.

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	Weight %*
Tetraethylene pentamine	112-57-2	30 - 60
N,N'-Bis(3-aminopropyl)piperazine	7209-38-3	30 - 60
3,6,9,12-tetraazatetradecamethylenediamine	4067-16-7	5 - 10
3,6-diazaoctanethylenediamine	112-24-3	1 - 5
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.

#### **Non hazardous components**

Actual concentration or concentration range is withheld as a trade secret

### 4. FIRST AID MEASURES

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

##### **Inhalation:**

If inhaled, immediately remove the affected person to fresh air. Get medical attention. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Keep warm and quiet.

##### **Skin contact:**

Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.

##### **Eye contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Check for and remove any contact lenses. Get medical attention.

##### **Ingestion:**

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

##### **Most important symptoms and effects (acute and delayed):**

The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.

##### **Indication of any immediate medical attention / special treatment needed:**

Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

##### **Extinguishing media:**

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

##### **Improper extinguishing agents:**

Not available.

##### **Special firefighting procedures:**

Wear full protective clothing. Wear self-contained breathing apparatus.

##### **Unusual fire or explosion hazards:**

In case of fire, keep containers cool with water spray. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

**Hazardous combustion products:**

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.**

**Environmental precautions:**

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.

**Clean-up methods:**

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:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapors or mists of this product. For industrial use only.

**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
Tetraethylene pentamine	None	None	1 ppm (5 mg/m <sup>3</sup> ) TWA Aerosol. (SKIN) Aerosol. (Skin sensitizer.)	None
Silica, amorphous, fumed, cryst.-free	3 mg/m <sup>3</sup> TWA Respirable particles. 10 mg/m <sup>3</sup> TWA Inhalable particles.	20 MPPCF TWA 0.8 mg/m <sup>3</sup> TWA 50 MPPCF TWA Total dust. 5 mg/m <sup>3</sup> TWA Respirable fraction. 15 mg/m <sup>3</sup> TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
3,6-diazaoctanethylenediamine	None	None	1 ppm (6 mg/m <sup>3</sup> ) TWA (SKIN)	None
Carbon black	3 mg/m <sup>3</sup> TWA Inhalable fraction.	3.5 mg/m <sup>3</sup> PEL 5 mg/m <sup>3</sup> TWA Respirable fraction. 50 MPPCF TWA Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m <sup>3</sup> TWA Total dust.	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:**

Safety goggles or safety glasses with side shields.

**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>	Gel
<b>Color:</b>	Black
<b>Odor:</b>	Ammoniacal
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	13.00 - 14.00
<b>Vapor pressure:</b>	< 0.1 hPa (20 °C (68°F))
<b>Boiling point/range:</b>	150 °C (302°F)
<b>Melting point/ range:</b>	Not applicable, Product is a liquid
<b>Density/Relative density:</b>	1.0
<b>Relative vapor density:</b>	> 1 20 °C
<b>Flash point:</b>	> 93 °C (> 199.4 °F) None
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not determined
<b>Flammability:</b>	Not applicable
<b>Evaporation rate:</b>	Not determined
<b>Solubility:</b>	Soluble Water
<b>Partition coefficient n-octanol/water (logarithmic value):</b>	Not available.
<b>VOC content:</b>	< 10 g/l (SCAQMD Rule 1124)
<b>Dynamic viscosity:</b>	Not available.
<b>Kinematic viscosity:</b>	> 20 mm <sup>2</sup> /s
<b>Particle characteristics:</b>	Not applicable, Product is a liquid
<b>Decomposition temperature:</b>	> 200 °C

## 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>	Do not heat mixed adhesive unless curing surfaces to be bonded. Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

## 11. TOXICOLOGICAL INFORMATION

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

#### Potential Health Effects/Symptoms

<b>Inhalation:</b>	May cause allergic respiratory reaction. Mists, vapors or liquid may cause severe irritation or burns.
<b>Skin contact:</b>	Corrosive Harmful in contact with skin. May cause allergic skin reaction.
<b>Eye contact:</b>	Causes serious eye damage. May cause corneal injury.
<b>Ingestion:</b>	May cause burns of mouth and throat if swallowed. May cause an aspiration hazard if swallowed.

Hazardous Component(s)	LD50s and LC50s
Tetraethylene pentamine	Oral LD50 (Rat) = 3.99 g/kg Oral LD50 (Rat) = 2.1 g/kg Dermal LD50 (Rabbit) = 0.66 g/kg
N,N'-Bis(3-aminopropyl)piperazine	None
3,6,9,12-tetraazatetradecamethylenediamine	None
3,6-diazaoctanethylenediamine	None
Carbon black	Oral LD50 (Rat) = > 8,000 mg/kg

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Tetraethylene pentamine	Irritant	Allergen	Mutagen
N,N'-Bis(3-aminopropyl)piperazine			
3,6,9,12-tetraazatetradecamethylenediamine	Irritant	Allergen	
3,6-diazaoctanethylenediamine	Corrosive Irritant	Allergen	Developmental Mutagen
Carbon black			Respiratory Some evidence of carcinogenicity

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Tetraethylene pentamine	No	No	No
N,N'-Bis(3-aminopropyl)piperazine	No	No	No
3,6,9,12-tetraazatetradecamethylenediamine	No	No	No
3,6-diazaoctanethylenediamine	No	No	No
Carbon black	Known To Be Human Carcinogen.	Group 2B	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. Do not empty into drains / surface water / ground water / soil.

## 14. TRANSPORT INFORMATION

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

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

**Proper shipping name:** Amines, liquid, corrosive, n.o.s. (Tetraethylene pentamine, Substituted piperazine)  
**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. (Tetraethylene pentamine, Substituted piperazine)  
**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. (Tetraethylene pentamine, Substituted piperazine)

**Hazard class or division:**

8

**Identification number:**

UN 2735

**Packing group:**

III

**Marine pollutant:**

Tetraethylene pentamine

**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:**

Please refer to the GHS classification in Section 2

**CERCLA/SARA Section 313:**

None above reporting de minimis.

**California Proposition 65:**

This product contains a chemical known in the State of California to cause cancer.

**Canada Regulatory Information****CEPA DSL/NDSL Status:**

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**16. OTHER INFORMATION****This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.**Prepared by:** Product Safety and Regulatory Affairs**Issue date:** 01/22/2025

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