

# **SDS**

## **ArmorPoxy Polyaspartic Floor System**



### **SDS Information**

- **2-Part Fast Curing Polyaspartic Colored Coating**
- **2-Part Fast Curing Polyaspartic Clear Coating**

**[www.armorpoxy.com](http://www.armorpoxy.com)**

**860 Springfield Road  
Union, NJ 07083**



Revision Date: 3/22/2025

## ArmorPoxy Industrial Flooring Multi Component Product Information Sheet

**ArmorPoxy Polyaspartic 80 is a multi component product composed of the following individual chemical components:**

POLYASPARTIC PART A            POLY    PART    A

POLYASPARTIC PART B            POLY    PART B

SDSs for each component follow this cover sheet.

### Transportation Information

|   | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|---|-------------------------|-----------------------------|-------------------|---------------------|
| UN Number:                                      | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Proper Shipping Name:                           | Not Regulated           | Not Regulated               | Not Regulated     | Not Regulated       |
| Hazard Class:                                   | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Packing Group:                                  | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Limited Quantity:                               | No                      | No                          | No                | No                  |
| Finished Good Schedule B Harmonized Tariff Code | 2921.21.0000            |                             |                   |                     |

# Safety Data Sheet



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## 1. Identification

|                             |  |                         |   |
|-----------------------------|--|-------------------------|---|
| <b>Product Name:</b>        | POLYASPARTIC PART A  | <b>Revision Date:</b>   | 3/22/2025   |
| <b>Product Identifier:</b>  | 331000   | <b>Supersedes Date:</b> | New SDS   |
| <b>Recommended Use:</b>     | Industrial Floor Coating Part A                                |                         |   |
| <b>Supplier:</b>            | ArmorPoxy Inc<br>860 Springfield Ave<br>Union, NJ 07083<br>USA | <b>Manufacturer:</b>    | ArmorPoxy Inc<br>860 Springfield Ave<br>Union, NJ 07083 |
| <b>Preparer:</b>            | Regulatory Department  |                         |   |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 800-424-9300                                  |                         |   |

## 2. Hazards Identification

### Classification

#### Symbol(s) of Product



#### Signal Word

Danger

### GHS HAZARD STATEMENTS

|  |      |  |
|--|------|--|
| Flammable liquid, category 4           | H227 | Combustible liquid   |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction.                                       |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled.  |
| Respiratory Sensitizer, category 1     | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| STOT, Single Exposure, category 3, RTI | H335 | May cause respiratory irritation.  |

### GHS LABEL PRECAUTIONARY STATEMENTS

|           |  |
|-----------|--|
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P223      | Do not allow contact with water.   |
| P261      | Avoid breathing dust/fume/gas/mist/vapours/spray.  |
| P271      | Use only outdoors or in a well-ventilated area.  |
| P272      | Contaminated work clothing should not be allowed out of the workplace.                         |
| P280      | Wear protective gloves / protective clothing / eye protection / face protection.               |
| P284      | [In case of inadequate ventilation] wear respiratory protection.                               |
| P321      | Specific treatment (see notice on this label).   |
| P405      | Store locked up.   |
| P501      | Dispose of contents and container in accordance with local, regional and national regulations. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water.  |

POLY PART A

|           |   |
|-----------|---|
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing.    |
| P370+P378 | In case of fire: Extinguish using suitable extinguishing media.               |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed.              |
| P403+P235 | Store in a well-ventilated place. Keep cool.                                  |
| P362+P364 | Take off contaminated clothing and wash it before reuse.                      |
| P317      | Get medical help.   |
| P333+P317 | If skin irritation or rash occurs: Get medical help.                          |
| P342+P316 | If experiencing respiratory symptoms: Get emergency medical help immediately. |

### 3. Composition / Information on Ingredients

#### HAZARDOUS SUBSTANCES

| <u>Chemical Name</u>                                | <u>CAS-No.</u> | <u>Wt.%<br/>Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u>        |
|---|----------------|-----------------------|--------------------|------------------------------|
| Hexamethylene Diisocyanate Homopolymer              | 28182-81-2     | 50-75                 | GHS07-GHS08        | H317-332-334-335             |
| Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate | 88917-22-0     | 10-25                 | Not Available      | Not Available                |
| Dimethyl Glutarate                                  | 1119-40-0      | 2.5-10                | Not Available      | Not Available                |
| Dimethyl Adipate                                    | 627-93-0       | 1.0-2.5               | Not Available      | Not Available                |
| Hexamethylene Diisocyanate                          | 822-06-0       | 0.1-1.0               | GHS06-GHS07-GHS08  | H302-315-317-319-330-334-335 |

### 4. First-Aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed. Remove contact lenses, if present and easy to do. Continue rinsing.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. If swallowed, get medical attention.

### 5. Fire-Fighting Measures

**EXTINGUISHING MEDIA:** Aqueous Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Combustible liquid and vapor.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

**Special Fire and Explosion Hazard (Combustible Dust):** No Information

### 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

**STORAGE:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Avoid excess heat. Store in a dry, well ventilated place. Keep container tightly closed when not in use.

**Advice on Safe Handling of Combustible Dust:** No Information

## 8. Exposure Controls / Personal Protection

| Chemical Name                                       | CAS-No.    | Weight %<br>Less Than | ACGIH TLV-<br>TWA | ACGIH TLV-<br>STEL | OSHA PEL-TWA | OSHA PEL-<br>CEILING |
|---|------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Hexamethylene Diisocyanate Homopolymer              | 28182-81-2 | 75.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate | 88917-22-0 | 25.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Dimethyl Glutarate                                  | 1119-40-0  | 10.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Dimethyl Adipate                                    | 627-93-0   | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Hexamethylene Diisocyanate                          | 822-06-0   | 1.0                   | 0.005 ppm         | N.E.               | N.E.         | N.E.                 |

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

**Engineering Measures for Combustible Dust:** No Information

## 9. Physical and Chemical Properties

|                                 |                     |  |           |
|---------------------------------|---------------------|--|-----------|
| <b>Appearance:</b>              | Liquid              | <b>Physical State:</b>                         | Liquid    |
| <b>Odor:</b>                    | Characteristic      | <b>Odor Threshold:</b>                         | N.E.      |
| <b>Specific Gravity:</b>        | 1.109               | <b>pH:</b>                                     | N.A.      |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                              | N.D.      |
| <b>Solubility in Water:</b>     | Water Reactive      | <b>Partition Coefficient, n-octanol/water:</b> | N.D.      |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                 | 1.2 - 5.4 |
| <b>Boiling Range, °C:</b>       | 203 - 537           | <b>Flash Point, °C:</b>                        | 87        |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-Ignition Temp., °C:</b>                | N.D.      |
| <b>Evaporation Rate:</b>        | Slower than Ether   | <b>Vapor Pressure:</b>                         | N.D.      |
| <b>Vapor Density:</b>           | Heavier than Air    |  |           |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**Conditions to Avoid:** Avoid excess heat. Keep from freezing.

**Incompatibility:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**Hazardous Decomposition:** When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**Hazardous Polymerization:** Will not occur under normal conditions.

**Stability:** This product is stable under normal storage conditions.

## 11. Toxicological Information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Substance causes moderate eye irritation. Irritating, and may injure eye tissue if not removed promptly.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. Causes skin irritation. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Low hazard for usual industrial handling or commercial handling by trained personnel.

**EFFECTS OF OVEREXPOSURE - INHALATION:** High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation. May cause allergic respiratory reaction.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Irritating to the nose, throat and respiratory tract. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Overexposure may cause lung damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>                                | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|---|------------------|--------------------|-------------------|
| 28182-81-2     | Hexamethylene Diisocyanate Homopolymer              | N.E.             | >2000 mg/kg Rat    | 18.5 mg/L Rat     |
| 88917-22-0     | Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate | N.E.             | >5000 mg/kg Rabbit | 25 mg/L Rat       |
| 1119-40-0      | Dimethyl Glutarate                                  | >5000 mg/kg Rat  | >5000 mg/kg Rabbit | 25 mg/L           |
| 627-93-0       | Dimethyl Adipate                                    | >5000 mg/kg Rat  | >5000 mg/kg Rabbit | >20 mg/L          |
| 822-06-0       | Hexamethylene Diisocyanate                          | 738 mg/kg Rat    | >7000 mg/kg Rat    | 0.06 mg/L Rat     |

N.E. - Not Established

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components. No ecotoxicity data was found for this product.

## 13. Disposal Information

**DISPOSAL:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not incinerate closed containers.

## 14. Transport Information

|                              | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|------------------------------|-------------------------|-----------------------------|-------------------|---------------------|
| <b>UN Number:</b>            | N.A.                    | N.A.                        | N.A.              | N.A.                |
| <b>Proper Shipping Name:</b> | Not Regulated           | Not Regulated               | Not Regulated     | Not Regulated       |
| <b>Hazard Class:</b>         | N.A.                    | N.A.                        | N.A.              | N.A.                |
| <b>Packing Group:</b>        | N.A.                    | N.A.                        | N.A.              | N.A.                |
| <b>Limited Quantity:</b>     | No                      | No                          | No                | No                  |

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids), Acute Toxicity (any route of exposure), Respiratory or Skin Sensitization, Specific target organ toxicity (single or repeated exposure)

### SARA Section 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

**Chemical Name**

Hexamethylene Diisocyanate

**CAS-No.**

822-06-0

### Toxic Substances Control Act

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

## U.S. State Regulations:

### California Proposition 65

**WARNING:**

No Prop. 65 warning is required.

## 16. Other Information

**HMIS RATINGS**

Health: 2\*      Flammability: 2      Physical Hazard: 0      Personal Protection: X

**NFPA RATINGS**

Health: 2      Flammability: 2      Instability: 0

Volatile Organic Compounds: 323 g/L

SDS REVISION DATE: 3/22/2025

**REASON FOR REVISION:**

**Legend:**      N.A. - Not Applicable, N.D. - Not Determined, N.E. - Not Established

ArmorPoxy Inc believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. ArmorPoxy Inc makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

# Safety Data Sheet



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## 1. Identification

|                             |  |                         |  |
|-----------------------------|--|-------------------------|--|
| <b>Product Name:</b>        | POLYASPARTIC PART B  | <b>Revision Date:</b>   | 3/22/2025  |
| <b>Product Identifier:</b>  | 331000   | <b>Supersedes Date:</b> | New SDS  |
| <b>Recommended Use:</b>     | Industrial Flooring Part B                                       |                         |  |
| <b>Supplier:</b>            | ArmorPoxy Inc<br>860 Springfield Ave<br>H Union, NJ 07083<br>USA | <b>Manufacturer:</b>    | ArmorPoxy Inc<br>860 Springfield Ave<br>Union, NJ 07083<br>USA |
| <b>Preparer:</b>            | Regulatory Department  |                         |  |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 800-424-9300                                    |                         |  |

## 2. Hazards Identification

### Classification

#### Symbol(s) of Product



#### Signal Word

Danger

#### Possible Hazards

99% of the mixture consists of ingredient(s) of unknown acute toxicity.

#### GHS HAZARD STATEMENTS

|                                     |      |  |
|-------------------------------------|------|--|
| Flammable liquid, category 4        | H227 | Combustible liquid                                   |
| Skin Sensitizer, category 1         | H317 | May cause an allergic skin reaction.                 |
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects.                           |
| Carcinogenicity, category 1B        | H350 | May cause cancer.                                    |
| Reproductive Toxicity, category 2   | H361 | Suspected of damaging fertility or the unborn child. |

#### GHS LABEL PRECAUTIONARY STATEMENTS

|           |  |
|-----------|--|
| P201      | Obtain special instructions before use.  |
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261      | Avoid breathing dust/fume/gas/mist/vapours/spray.  |
| P272      | Contaminated work clothing should not be allowed out of the workplace.                         |
| P280      | Wear protective gloves / protective clothing / eye protection / face protection.               |
| P321      | Specific treatment (see notice on this label).   |
| P405      | Store locked up.   |
| P501      | Dispose of contents and container in accordance with local, regional and national regulations. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water.  |

POLY PART B



|           |  |
|-----------|--|
| P308+P313 | IF exposed or concerned: Get medical advice/attention.           |
| P370+P378 | In case of fire: Extinguish using suitable extinguishing media.  |
| P403+P235 | Store in a well-ventilated place. Keep cool.                     |
| P362+P364 | Take off contaminated clothing and wash it before reuse.         |
| P203      | Obtain, read, and follow all safety instructions before use.     |
| P308+P316 | IF exposed or concerned: Get emergency medical help immediately. |
| P333+P317 | If skin irritation or rash occurs: Get medical help.             |

### 3. Composition / Information on Ingredients

#### HAZARDOUS SUBSTANCES

| <u>Chemical Name</u>  | <u>CAS-No.</u> | <u>Wt.%<br/>Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-----------------------|--------------------|-----------------------|
| Modified Amine  | PROPRIETARY    | 50-75                 | GHS07              | H317                  |
| Modified Amine  | PROPRIETARY    | 25-50                 | GHS07              | H317                  |
| Dimethyl Glutarate  | 1119-40-0      | 2.5-10                | Not Available      | Not Available         |
| Cyclohexanemethanamine, 1,3,3-trimethyl-N-(2-methylpropylidene)-5-[(2-methylpropylidene)amino]- | 54914-37-3     | 2.5-10                | Not Available      | Not Available         |
| Diethyl Fumarate  | 623-91-6       | 2.5-10                | GHS07              | H302                  |
| Dimethyl Adipate  | 627-93-0       | 1.0-2.5               | Not Available      | Not Available         |
| bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate   | 41556-26-7     | 0.1-1.0               | GHS07-GHS08        | H317-361              |
| Naphtha (Petroleum), Heavy Alkylate   | 64741-65-7     | 0.1-1.0               | GHS06-GHS08        | H304-331-340-350      |
| Methyl(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate  | 82919-37-7     | 0.1-1.0               | GHS07-GHS08        | H317-361              |

### 4. First-Aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed. Remove contact lenses, if present and easy to do. Continue rinsing.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. If swallowed, get medical attention.

### 5. Fire-Fighting Measures

**EXTINGUISHING MEDIA:** Aqueous Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Combustible liquid and vapor.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

**Special Fire and Explosion Hazard (Combustible Dust):** No Information

POLY PART B

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

**STORAGE:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Avoid excess heat. Store in a dry, well ventilated place. Keep container tightly closed when not in use.

**Advice on Safe Handling of Combustible Dust:** No Information

## 8. Exposure Controls / Personal Protection

| Chemical Name  | CAS-No.     | Weight %<br>Less Than | ACGIH TLV-<br>TWA | ACGIH TLV-<br>STEL | OSHA PEL-TWA | OSHA PEL-<br>CEILING |
|--|-------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Modified Amine   | PROPRIETARY | 55.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Modified Amine   | PROPRIETARY | 30.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Dimethyl Glutarate   | 1119-40-0   | 10.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Cyclohexanemethanamine,<br>1,3,3-trimethyl-N-(2-<br>methylpropylidene)-5-[(2-<br>methylpropylidene)amino]- | 54914-37-3  | 10.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Diethyl Fumarate   | 623-91-6    | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Dimethyl Adipate   | 627-93-0    | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| bis(1,2,2,6,6-Pentamethyl-4-<br>Piperidiny) Sebacate   | 41556-26-7  | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Naphtha (Petroleum), Heavy<br>Alkylate   | 64741-65-7  | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Methyl(1,2,2,6,6-Pentamethyl-4-<br>Piperidiny) Sebacate  | 82919-37-7  | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

**Engineering Measures for Combustible Dust:** No Information

## 9. Physical and Chemical Properties

|                                 |                     |  |             |
|---------------------------------|---------------------|--|-------------|
| <b>Appearance:</b>              | Liquid              | <b>Physical State:</b>                         | Liquid      |
| <b>Odor:</b>                    | Amine               | <b>Odor Threshold:</b>                         | N.E.        |
| <b>Specific Gravity:</b>        | 1.048               | <b>pH:</b>                                     | N.A.        |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                              | N.D.        |
| <b>Solubility in Water:</b>     | Soluble             | <b>Partition Coefficient, n-octanol/water:</b> | N.D.        |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                 | N.A. - N.A. |
| <b>Boiling Range, °C:</b>       | 200 - 537           | <b>Flash Point, °C:</b>                        | 82          |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-Ignition Temp., °C:</b>                | N.D.        |
| <b>Evaporation Rate:</b>        | Slower than Ether   | <b>Vapor Pressure:</b>                         | N.D.        |
| <b>Vapor Density:</b>           | Heavier than Air    |  |             |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**Conditions to Avoid:** Avoid excess heat. Keep from freezing.

**Incompatibility:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**Hazardous Decomposition:** When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**Hazardous Polymerization:** Will not occur under normal conditions.

**Stability:** This product is stable under normal storage conditions.

## 11. Toxicological Information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Can cause severe eye irritation. Substance causes moderate eye irritation. Irritating, and may injure eye tissue if not removed promptly.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Corrosive; causes skin burning. Low hazard for usual industrial handling or commercial handling by trained personnel.

**EFFECTS OF OVEREXPOSURE - INHALATION:** High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Irritating to the nose, throat and respiratory tract. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. May cause genetic defects. May damage fertility or the unborn child.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>  | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|---|------------------|--------------------|-------------------|
| 1119-40-0      | Dimethyl Glutarate  | >5000 mg/kg Rat  | >5000 mg/kg Rabbit | 25 mg/L           |
| 54914-37-3     | Cyclohexanemethanamine, 1,3,3-trimethyl-N-(2-methylpropylidene)-5-[(2-methylpropylidene)amino]- | N.E.             | >5000 mg/kg Rat    | N.E.              |
| 623-91-6       | Diethyl Fumarate  | 1780 mg/kg Rat   | N.E.               | N.E.              |
| 627-93-0       | Dimethyl Adipate  | >5000 mg/kg Rat  | >5000 mg/kg Rabbit | >20 mg/L          |
| 41556-26-7     | bis(1,2,2,6,6-Pentamethyl-4-Piperidiny)l Sebacate   | 2615 mg/kg Rat   | N.E.               | N.E.              |
| 64741-65-7     | Naphtha (Petroleum), Heavy Alkylate   | >7000 mg/kg Rat  | >2000 mg/kg Rabbit | >5.04 mg/L Rat    |

N.E. - Not Established

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components. No ecotoxicity data was found for this product.

### 13. Disposal Information

**DISPOSAL:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not incinerate closed containers.

### 14. Transport Information

|                       | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|-----------------------|-------------------------|-----------------------------|-------------------|---------------------|
| UN Number:            | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Proper Shipping Name: | Not Regulated           | Not Regulated               | Not Regulated     | Not Regulated       |
| Hazard Class:         | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Packing Group:        | N.A.                    | N.A.                        | N.A.              | N.A.                |
| Limited Quantity:     | No                      | No                          | No                | No                  |

### 15. Regulatory Information

#### U.S. Federal Regulations:

##### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Reproductive toxicity, Respiratory or Skin Sensitization, Germ cell mutagenicity

##### SARA Section 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No SARA 313 components exist in this product.

##### Toxic Substances Control Act

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

#### U.S. State Regulations:

##### California Proposition 65

#### WARNING:

Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**16. Other Information****HMIS RATINGS**

**Health:** 2\*      **Flammability:** 2      **Physical Hazard:** 0      **Personal Protection:** X

**NFPA RATINGS**

**Health:** 2      **Flammability:** 2      **Instability:** 0

**Volatile Organic Compounds:** 108 g/L

**SDS REVISION DATE:** 8/22/2023

**REASON FOR REVISION:**

**Legend:** N.A. - Not Applicable, N.D. - Not Determined, N.E. - Not Established

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