



## Safety Data Sheet

Copyright, 2025, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 44-7789-9 | <b>Version Number:</b>  | 1.03     |
| <b>Issue Date:</b>     | 01/27/25  | <b>Supersedes Date:</b> | 11/14/24 |

### Product identifier

3M™ Scotch-Weld™ Epoxy Adhesive, DP420LX HiNS Black

### ID Number(s):

XP-0038-5326-2, XP-0038-5725-5, XP-0038-5906-1

7100334571

### Recommended use

Adhesive

### Supplier's details

|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| <b>MANUFACTURER:</b> | 3M                                                                       |
| <b>DIVISION:</b>     | 3M People's Republic of China<br>Industrial Adhesives and Tapes Division |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA                                  |
| <b>Telephone:</b>    | 1-888-3M HELPS (1-888-364-3577)                                          |

### Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

**This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet (SDS), Article Information Sheet (AIS), or Article Information Letter (AIL) for each of these components is included. Please do not separate the component documents from this cover page. The document numbers for components of this product are:**

44-7660-2, 44-7659-4

**DISCLAIMER:** The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

**3M USA SDSs are available at [www.3M.com](http://www.3M.com)**



## Safety Data Sheet

Copyright, 2024, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

**Document Group:** 44-7659-4  
**Issue Date:** 11/14/24

**Version Number:** 1.02  
**Supersedes Date:** 04/25/24

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Scotch-Weld™ Epoxy Adhesive, DP420LX HiNS Black, Part B

#### Product Identification Numbers

LZ-N100-3658-7, LZ-N100-3726-8

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Adhesive

#### 1.3. Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** 3M People's Republic of China  
Industrial Adhesives and Tapes Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA  
**Telephone:** 1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Serious Eye Damage/Irritation: Category 2B.

Skin Sensitizer: Category 1.

#### 2.2. Label elements

##### Signal word

Warning

##### Symbols

Exclamation mark |

##### Pictograms

**Hazard Statements**

Causes eye irritation.  
May cause an allergic skin reaction.

**Precautionary Statements****Prevention:**

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wear protective gloves.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.

**Disposal:**

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**SECTION 3: Composition/information on ingredients**

| Ingredient                                                    | C.A.S. No.    | % by Wt                |
|---------------------------------------------------------------|---------------|------------------------|
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | 25068-38-6    | 30 - 70 Trade Secret * |
| Bisphenol A Diglycidyl Ether                                  | 1675-54-3     | 60 - 70 Trade Secret * |
| Acrylic Polymer                                               | Trade Secret* | 1 - 20 Trade Secret *  |
| Carbon Black                                                  | 1333-86-4     | 1 - 10 Trade Secret *  |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7    | 1 - 10 Trade Secret *  |

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation:**

Remove person to fresh air. If you feel unwell, get medical attention.

**Skin Contact:**

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye Contact:**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical

attention.

**If Swallowed:**

Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

Allergic skin reaction (redness, swelling, blistering, and itching).

**4.3. Indication of any immediate medical attention and special treatment required**

Not applicable.

## SECTION 5: Fire-fighting measures

**5.1. Suitable extinguishing media**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

**5.2. Special hazards arising from the substance or mixture**

None inherent in this product.

**Hazardous Decomposition or By-Products****Substance**

Aldehydes

Carbon monoxide

Carbon dioxide

Hydrogen Chloride

**Condition**

During Combustion

During Combustion

During Combustion

During Combustion

**5.3. Special protective actions for fire-fighters**

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

**6.3. Methods and material for containment and cleaning up**

Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke

when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

## 7.2. Conditions for safe storage including any incompatibilities

Store away from oxidizing agents.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient        | C.A.S. No. | Agency | Limit type                                                                   | Additional Comments          |
|-------------------|------------|--------|------------------------------------------------------------------------------|------------------------------|
| Carbon Black      | 1333-86-4  | ACGIH  | TWA(inhalable fraction):3 mg/m <sup>3</sup>                                  | A3: Confirmed animal carcin. |
| Carbon Black      | 1333-86-4  | OSHA   | TWA:3.5 mg/m <sup>3</sup>                                                    |                              |
| SILICA, AMORPHOUS | 67762-90-7 | OSHA   | TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 mg/m <sup>3</sup> |                              |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety Glasses with side shields

Indirect Vented Goggles

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

**Respiratory protection**

None required.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance****Physical state**

Liquid

**Color**

Black

**Specific Physical Form:**

Paste

**Odor**

No Data Available

**Odor threshold***Not Applicable***pH***Not Applicable***Melting point***Not Applicable***Boiling Point** $\geq 260\text{ }^{\circ}\text{C}$ **Flash Point** $\geq 200\text{ }^{\circ}\text{C}$  [Test Method: Closed Cup]**Evaporation rate***No Data Available***Flammability (solid, gas)**

Not Applicable

**Flammable Limits(LEL)***No Data Available***Flammable Limits(UEL)***No Data Available***Vapor Pressure***No Data Available***Vapor Density***No Data Available***Density**

1.14 g/ml

**Specific Gravity**

1.14 [Ref Std: WATER=1]

**Solubility In Water***No Data Available***Solubility- non-water***No Data Available***Partition coefficient: n-octanol/ water***Not Applicable***Autoignition temperature***Not Applicable***Decomposition temperature***Not Applicable***Viscosity**

20,000 - 50,000 mPa-s

**Kinematic Viscosity***Not Applicable***SECTION 10: Stability and reactivity****10.1. Reactivity**

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

**10.2. Chemical stability**

Stable.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

Strong oxidizing agents

**10.6. Hazardous decomposition products****Substance****Condition**

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1. Information on Toxicological effects

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

##### Inhalation:

No known health effects.

##### Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

##### Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

##### Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

##### Carcinogenicity:

| Ingredient   | CAS No.   | Class Description             | Regulation                                  |
|--------------|-----------|-------------------------------|---------------------------------------------|
| Carbon black | 1333-86-4 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

#### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

#### Acute Toxicity

| Name                                                          | Route                          | Species | Value                                          |
|---------------------------------------------------------------|--------------------------------|---------|------------------------------------------------|
| Overall product                                               | Ingestion                      |         | No data available; calculated ATE >5,000 mg/kg |
| Bisphenol A Diglycidyl Ether                                  | Dermal                         | Rat     | LD50 > 1,600 mg/kg                             |
| Bisphenol A Diglycidyl Ether                                  | Ingestion                      | Rat     | LD50 > 1,000 mg/kg                             |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Dermal                         | Rat     | LD50 > 1,600 mg/kg                             |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Ingestion                      | Rat     | LD50 > 1,000 mg/kg                             |
| Acrylic Polymer                                               | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| Acrylic Polymer                                               | Ingestion                      | Rat     | LD50 > 5,000 mg/kg                             |
| Siloxanes and Silicones, di-Me, reaction products with silica | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| Siloxanes and Silicones, di-Me, reaction products with silica | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 0.691 mg/l                              |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion                      | Rat     | LD50 > 5,110 mg/kg                             |
| Carbon Black                                                  | Dermal                         | Rabbit  | LD50 > 3,000 mg/kg                             |
| Carbon Black                                                  | Ingestion                      | Rat     | LD50 > 8,000 mg/kg                             |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name | Species | Value |
|------|---------|-------|
|------|---------|-------|

|                                                               |                        |                           |
|---------------------------------------------------------------|------------------------|---------------------------|
|                                                               |                        |                           |
| Bisphenol A Diglycidyl Ether                                  | Rabbit                 | Mild irritant             |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Rabbit                 | Mild irritant             |
| Acrylic Polymer                                               | Professional judgement | Minimal irritation        |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit                 | No significant irritation |
| Carbon Black                                                  | Rabbit                 | No significant irritation |

**Serious Eye Damage/Irritation**

| Name                                                          | Species                | Value                     |
|---------------------------------------------------------------|------------------------|---------------------------|
| Bisphenol A Diglycidyl Ether                                  | Rabbit                 | Moderate irritant         |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Rabbit                 | Moderate irritant         |
| Acrylic Polymer                                               | Professional judgement | Mild irritant             |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit                 | No significant irritation |
| Carbon Black                                                  | Rabbit                 | No significant irritation |

**Skin Sensitization**

| Name                                                          | Species          | Value          |
|---------------------------------------------------------------|------------------|----------------|
| Bisphenol A Diglycidyl Ether                                  | Human and animal | Sensitizing    |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Human and animal | Sensitizing    |
| Siloxanes and Silicones, di-Me, reaction products with silica | Human and animal | Not classified |

**Respiratory Sensitization**

| Name                                                | Species | Value          |
|-----------------------------------------------------|---------|----------------|
| Bisphenol A Diglycidyl Ether                        | Human   | Not classified |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Human   | Not classified |

**Germ Cell Mutagenicity**

| Name                                                          | Route    | Value                                                                        |
|---------------------------------------------------------------|----------|------------------------------------------------------------------------------|
| Bisphenol A Diglycidyl Ether                                  | In vivo  | Not mutagenic                                                                |
| Bisphenol A Diglycidyl Ether                                  | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | In vivo  | Not mutagenic                                                                |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Siloxanes and Silicones, di-Me, reaction products with silica | In Vitro | Not mutagenic                                                                |
| Carbon Black                                                  | In Vitro | Not mutagenic                                                                |
| Carbon Black                                                  | In vivo  | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name                                                          | Route         | Species | Value                                                                        |
|---------------------------------------------------------------|---------------|---------|------------------------------------------------------------------------------|
| Bisphenol A Diglycidyl Ether                                  | Dermal        | Mouse   | Some positive data exist, but the data are not sufficient for classification |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Dermal        | Mouse   | Some positive data exist, but the data are not sufficient for classification |
| Siloxanes and Silicones, di-Me, reaction products with silica | Not Specified | Mouse   | Some positive data exist, but the data are not sufficient for classification |

|              |            |       |                  |
|--------------|------------|-------|------------------|
| Carbon Black | Dermal     | Mouse | Not carcinogenic |
| Carbon Black | Ingestion  | Mouse | Not carcinogenic |
| Carbon Black | Inhalation | Rat   | Carcinogenic     |

## Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name                                                          | Route     | Value                                  | Species | Test Result           | Exposure Duration    |
|---------------------------------------------------------------|-----------|----------------------------------------|---------|-----------------------|----------------------|
| Bisphenol A Diglycidyl Ether                                  | Ingestion | Not classified for female reproduction | Rat     | NOAEL 750 mg/kg/day   | 2 generation         |
| Bisphenol A Diglycidyl Ether                                  | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 750 mg/kg/day   | 2 generation         |
| Bisphenol A Diglycidyl Ether                                  | Dermal    | Not classified for development         | Rabbit  | NOAEL 300 mg/kg/day   | during organogenesis |
| Bisphenol A Diglycidyl Ether                                  | Ingestion | Not classified for development         | Rat     | NOAEL 750 mg/kg/day   | 2 generation         |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Ingestion | Not classified for female reproduction | Rat     | NOAEL 750 mg/kg/day   | 2 generation         |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 750 mg/kg/day   | 2 generation         |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Dermal    | Not classified for development         | Rabbit  | NOAEL 300 mg/kg/day   | during organogenesis |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer           | Ingestion | Not classified for development         | Rat     | NOAEL 750 mg/kg/day   | 2 generation         |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Not classified for female reproduction | Rat     | NOAEL 509 mg/kg/day   | 1 generation         |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation         |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Not classified for development         | Rat     | NOAEL 1,350 mg/kg/day | during organogenesis |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

For the component/components, either no data are currently available or the data are not sufficient for classification.

### Specific Target Organ Toxicity - repeated exposure

| Name                                                | Route     | Target Organ(s)                                                                                          | Value          | Species | Test Result           | Exposure Duration |
|-----------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------|----------------|---------|-----------------------|-------------------|
| Bisphenol A Diglycidyl Ether                        | Dermal    | liver                                                                                                    | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 2 years           |
| Bisphenol A Diglycidyl Ether                        | Dermal    | nervous system                                                                                           | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 13 weeks          |
| Bisphenol A Diglycidyl Ether                        | Ingestion | auditory system   heart   endocrine system   hematopoietic system   liver   eyes   kidney and/or bladder | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 28 days           |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Dermal    | liver                                                                                                    | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 2 years           |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Dermal    | nervous system                                                                                           | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 13 weeks          |
| 4,4'-isopropylidenediphenol-epichlorohydrin polymer | Ingestion | auditory system   heart   endocrine system                                                               | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 28 days           |

|                                                               |            |                                                             |                |       |                     |                       |
|---------------------------------------------------------------|------------|-------------------------------------------------------------|----------------|-------|---------------------|-----------------------|
|                                                               |            | hematopoietic system   liver   eyes   kidney and/or bladder |                |       |                     |                       |
| Siloxanes and Silicones, di-Me, reaction products with silica | Inhalation | respiratory system   silicosis                              | Not classified | Human | NOAEL Not available | occupational exposure |
| Carbon Black                                                  | Inhalation | pneumoconiosis                                              | Not classified | Human | NOAEL Not available | occupational exposure |

**Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.**

**SECTION 12: Ecological information****Ecotoxicological information**

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

**Chemical fate information**

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

**SECTION 13: Disposal considerations****13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

**EPA Hazardous Waste Number (RCRA):** Not regulated

**SECTION 14: Transport Information**

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

**SECTION 15: Regulatory information****15.1. US Federal Regulations**

Contact 3M for more information.

**EPCRA 311/312 Hazard Classifications:****Physical Hazards**

Not applicable

**Health Hazards**

Respiratory or Skin Sensitization

Serious eye damage or eye irritation

**15.2. State Regulations**

Contact 3M for more information.

**15.3. Chemical Inventories**

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

**15.4. International Regulations**

Contact 3M for more information.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.****SECTION 16: Other information****NFPA Hazard Classification****Health:** 2 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

**Document Group:** 44-7659-4**Version Number:** 1.02**Issue Date:** 11/14/24**Supersedes Date:** 04/25/24

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

**3M USA SDSs are available at [www.3M.com](http://www.3M.com)**



## Safety Data Sheet

Copyright, 2024, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 44-7660-2 | <b>Version Number:</b>  | 1.02     |
| <b>Issue Date:</b>     | 11/14/24  | <b>Supersedes Date:</b> | 04/25/24 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Scotch-Weld™ Epoxy Adhesive, DP420LX HiNS Black, Part A

#### Product Identification Numbers

LZ-N100-3658-6, LZ-N100-3726-7

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Adhesive

#### 1.3. Supplier's details

|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| <b>MANUFACTURER:</b> | 3M                                                                       |
| <b>DIVISION:</b>     | 3M People's Republic of China<br>Industrial Adhesives and Tapes Division |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA                                  |
| <b>Telephone:</b>    | 1-888-3M HELPS (1-888-364-3577)                                          |

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Serious Eye Damage/Irritation: Category 1.

Skin Corrosion/Irritation: Category 1B.

Skin Sensitizer: Category 1.

Specific Target Organ Toxicity (single exposure): Category 1.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Corrosion | Exclamation mark | Health Hazard |

##### Pictograms

**Hazard Statements**

Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.

Causes damage to organs:  
blood or blood-forming organs |

**Precautionary Statements****Prevention:**

Do not breathe dust/fume/gas/mist/vapors/spray.  
Wear protective gloves, protective clothing, and eye/face protection.  
Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.

**Response:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
IF exposed: Call a POISON CENTER or doctor/physician.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Specific treatment (see Notes to Physician on this label).

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**Notes to Physician:**

Overexposure to this product may result in methemoglobinemia. Methemoglobinemia may be clinically suspected by the presence of clinical "cyanosis" in the presence of a normal PaO<sub>2</sub> (as obtained by arterial blood gases). Routine pulse oximetry may be inaccurate for monitoring oxygen saturation in the presence of methemoglobinemia, and should not be used to make the diagnosis of this disorder. If the patient is symptomatic or if the methemoglobin level is >20%, specific therapy with methylene blue should be considered as part of the medical management.

**2.3. Hazards not otherwise classified**

May cause chemical gastrointestinal burns.

**Supplemental Information:**

Persons previously sensitized to amines may develop a cross-sensitization reaction to certain other amines.

**SECTION 3: Composition/information on ingredients**

| <b>Ingredient</b>                                             | <b>C.A.S. No.</b> | <b>% by Wt</b>         |
|---------------------------------------------------------------|-------------------|------------------------|
| Modified Epoxy Resin                                          | Trade Secret*     | 55 - 65 Trade Secret * |
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | 4246-51-9         | 10 - 50 Trade Secret * |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7        | 10 - 15 Trade Secret * |
| Tris(2,4,6-dimethylaminomonomethyl)phenol                     | 90-72-2           | 3 - 10 Trade Secret *  |
| Calcium salt                                                  | Trade Secret*     | 5 - 10 Trade Secret *  |

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### **Inhalation:**

Remove person to fresh air. If you feel unwell, get medical attention.

#### **Skin Contact:**

Immediately flush with large amounts of water for at least 15 minutes. Remove contaminated clothing. Get immediate medical attention. Wash clothing before reuse.

#### **Eye Contact:**

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

#### **If Swallowed:**

Rinse mouth. Do not induce vomiting. Get immediate medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Skin burns (localized redness, swelling, itching, intense pain, blistering, and tissue destruction). Allergic skin reaction (redness, swelling, blistering, and itching). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision). Target organ effects. See Section 11 for additional details.

### 4.3. Indication of any immediate medical attention and special treatment required

Overexposure to this product may result in methemoglobinemia. Methemoglobinemia may be clinically suspected by the presence of clinical "cyanosis" in the presence of a normal PaO<sub>2</sub> (as obtained by arterial blood gases). Routine pulse oximetry may be inaccurate for monitoring oxygen saturation in the presence of methemoglobinemia, and should not be used to make the diagnosis of this disorder. If the patient is symptomatic or if the methemoglobin level is >20%, specific therapy with methylene blue should be considered as part of the medical management.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

### 5.2. Special hazards arising from the substance or mixture

None inherent in this product.

### Hazardous Decomposition or By-Products

#### Substance

Carbon monoxide

Carbon dioxide

#### Condition

During Combustion

During Combustion

### 5.3. Special protective actions for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

### 7.2. Conditions for safe storage including any incompatibilities

Store away from acids. Store away from oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient        | C.A.S. No. | Agency | Limit type                                                       | Additional Comments |
|-------------------|------------|--------|------------------------------------------------------------------|---------------------|
| SILICA, AMORPHOUS | 67762-90-7 | OSHA   | TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 mg/m3 |                     |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Full Face Shield

Indirect Vented Goggles

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended: Butyl Rubber

Neoprene

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron – Butyl rubber

Apron - Neoprene

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state

Liquid

Color

Yellow

Specific Physical Form:

Viscous

Odor

Epoxy

Odor threshold

No Data Available

pH

No Data Available

Melting point

No Data Available

Boiling Point

>=171 °C

Flash Point

>=175 °C [Test Method: Closed Cup]

Evaporation rate

No Data Available

Flammability (solid, gas)

Not Applicable

Flammable Limits(LEL)

No Data Available

Flammable Limits(UEL)

No Data Available

Vapor Pressure

No Data Available

Vapor Density

No Data Available

|                                         |                                |
|-----------------------------------------|--------------------------------|
| Density                                 | 1.08 - 1.13 g/cm <sup>3</sup>  |
| Specific Gravity                        | 1.08 - 1.13 [Ref Std: WATER=1] |
| Solubility In Water                     | No Data Available              |
| Solubility- non-water                   | No Data Available              |
| Partition coefficient: n-octanol/ water | No Data Available              |
| Autoignition temperature                | No Data Available              |
| Decomposition temperature               | No Data Available              |
| Viscosity                               | No Data Available              |
| Kinematic Viscosity                     | No Data Available              |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids

Strong oxidizing agents

### 10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
|------------------|------------------|

|             |  |
|-------------|--|
| None known. |  |
|-------------|--|

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1. Information on Toxicological effects

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

#### Skin Contact:

May be harmful in contact with skin.

Corrosive (Skin Burns): Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering,

ulceration, and tissue destruction.

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

#### Eye Contact:

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

#### Ingestion:

May be harmful if swallowed.

Gastrointestinal Corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain; nausea; vomiting; and diarrhea; blood in the feces and/or vomitus may also be seen.

May cause additional health effects (see below).

#### Additional Health Effects:

#### Single exposure may cause target organ effects:

Methemoglobinemia: Signs/symptoms may include headache, dizziness, nausea, difficulty breathing, and generalized weakness.

#### Additional Information:

Persons previously sensitized to amines may develop a cross-sensitization reaction to certain other amines.

#### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

#### Acute Toxicity

| Name                                                          | Route                          | Species           | Value                                                   |
|---------------------------------------------------------------|--------------------------------|-------------------|---------------------------------------------------------|
| Overall product                                               | Dermal                         |                   | No data available; calculated ATE >2,000 - =5,000 mg/kg |
| Overall product                                               | Ingestion                      |                   | No data available; calculated ATE >2,000 - =5,000 mg/kg |
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | Dermal                         | Rabbit            | LD50 2,525 mg/kg                                        |
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | Ingestion                      | Rat               | LD50 2,850 mg/kg                                        |
| Siloxanes and Silicones, di-Me, reaction products with silica | Dermal                         | Rabbit            | LD50 > 5,000 mg/kg                                      |
| Siloxanes and Silicones, di-Me, reaction products with silica | Inhalation-Dust/Mist (4 hours) | Rat               | LC50 > 0.691 mg/l                                       |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion                      | Rat               | LD50 > 5,110 mg/kg                                      |
| Calcium salt                                                  | Ingestion                      | Rat               | LD50 >300, <2000 mg/kg                                  |
| Tris(2,4,6-dimethylaminomonomethyl)phenol                     | Dermal                         | Rat               | LD50 1,280 mg/kg                                        |
| Tris(2,4,6-dimethylaminomonomethyl)phenol                     | Ingestion                      | Rat               | LD50 1,000 mg/kg                                        |
| Calcium salt                                                  | Dermal                         | similar compounds | LD50 > 2,000 mg/kg                                      |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                                                          | Species           | Value                     |
|---------------------------------------------------------------|-------------------|---------------------------|
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | Rabbit            | Corrosive                 |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit            | No significant irritation |
| Calcium salt                                                  | similar compounds | No significant irritation |
| Tris(2,4,6-dimethylaminomonomethyl)phenol                     | Rabbit            | Corrosive                 |

**Serious Eye Damage/Irritation**

| Name                                                          | Species | Value                     |
|---------------------------------------------------------------|---------|---------------------------|
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | Rabbit  | Corrosive                 |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit  | No significant irritation |
| Calcium salt                                                  | Rabbit  | Corrosive                 |
| Tris(2,4,6-dimethylaminomonomethyl)phenol                     | Rabbit  | Corrosive                 |

**Skin Sensitization**

| Name                                                          | Species               | Value          |
|---------------------------------------------------------------|-----------------------|----------------|
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | Professional judgment | Sensitizing    |
| Siloxanes and Silicones, di-Me, reaction products with silica | Human and animal      | Not classified |
| Calcium salt                                                  | similar compounds     | Not classified |
| Tris(2,4,6-dimethylaminomonomethyl)phenol                     | Guinea pig            | Not classified |

**Respiratory Sensitization**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity**

| Name                                                          | Route    | Value         |
|---------------------------------------------------------------|----------|---------------|
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | In Vitro | Not mutagenic |
| Siloxanes and Silicones, di-Me, reaction products with silica | In Vitro | Not mutagenic |
| Calcium salt                                                  | In Vitro | Not mutagenic |
| Tris(2,4,6-dimethylaminomonomethyl)phenol                     | In Vitro | Not mutagenic |

**Carcinogenicity**

| Name                                                          | Route         | Species | Value                                                                        |
|---------------------------------------------------------------|---------------|---------|------------------------------------------------------------------------------|
| Siloxanes and Silicones, di-Me, reaction products with silica | Not Specified | Mouse   | Some positive data exist, but the data are not sufficient for classification |

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

| Name                                                          | Route     | Value                                  | Species           | Test Result           | Exposure Duration          |
|---------------------------------------------------------------|-----------|----------------------------------------|-------------------|-----------------------|----------------------------|
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | Ingestion | Not classified for female reproduction | Rat               | NOAEL 600 mg/kg/day   | prematuring into lactation |
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | Ingestion | Not classified for male reproduction   | Rat               | NOAEL 600 mg/kg/day   | 59 days                    |
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | Ingestion | Not classified for development         | Rat               | NOAEL 600 mg/kg/day   | prematuring into lactation |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Not classified for female reproduction | Rat               | NOAEL 509 mg/kg/day   | 1 generation               |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Not classified for male reproduction   | Rat               | NOAEL 497 mg/kg/day   | 1 generation               |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Not classified for development         | Rat               | NOAEL 1,350 mg/kg/day | during organogenesis       |
| Calcium salt                                                  | Ingestion | Not classified for female reproduction | similar compounds | NOAEL 1,500 mg/kg/day | prematuring into lactation |
| Calcium salt                                                  | Ingestion | Not classified for male reproduction   | similar compounds | NOAEL 1,500 mg/kg/day | 28 days                    |

|                                           |           |                                        |                   |                       |                          |
|-------------------------------------------|-----------|----------------------------------------|-------------------|-----------------------|--------------------------|
| Calcium salt                              | Ingestion | Not classified for development         | similar compounds | NOAEL 1,500 mg/kg/day | premating into lactation |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | Not classified for male reproduction   | Rat               | NOAEL 150 mg/kg/day   | 2 generation             |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | Not classified for female reproduction | Rat               | NOAEL 50 mg/kg/day    | 2 generation             |
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | Not classified for development         | Rabbit            | NOAEL 15 mg/kg/day    | during gestation         |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name                                          | Route      | Target Organ(s)        | Value                                                                        | Species                | Test Result         | Exposure Duration      |
|-----------------------------------------------|------------|------------------------|------------------------------------------------------------------------------|------------------------|---------------------|------------------------|
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                        |
| Calcium salt                                  | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                        |
| Calcium salt                                  | Ingestion  | methemoglobinemia      | Causes damage to organs                                                      | Human                  | NOAEL Not available | environmental exposure |
| Tris(2,4,6-dimethylaminomonomethyl)phenol     | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                        |

#### Specific Target Organ Toxicity - repeated exposure

| Name                                                          | Route      | Target Organ(s)                                                                                                                                                                                                                     | Value          | Species           | Test Result           | Exposure Duration     |
|---------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-----------------------|-----------------------|
| BIS(3-AMINOPROPYL) ETHER OF DIETHYLENE GLYCOL                 | Ingestion  | gastrointestinal tract   heart   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   liver   immune system   muscles   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system | Not classified | Rat               | NOAEL 600 mg/kg/day   | 59 days               |
| Siloxanes and Silicones, di-Me, reaction products with silica | Inhalation | respiratory system   silicosis                                                                                                                                                                                                      | Not classified | Human             | NOAEL Not available   | occupational exposure |
| Calcium salt                                                  | Ingestion  | heart   skin   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   liver   immune system   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system                             | Not classified | similar compounds | NOAEL 1,500 mg/kg/day | 28 days               |
| Tris(2,4,6-dimethylaminomonomethyl)phenol                     | Dermal     | skin                                                                                                                                                                                                                                | Not classified | Rat               | NOAEL 25 mg/kg/day    | 4 weeks               |
| Tris(2,4,6-dimethylaminomonomethyl)phenol                     | Dermal     | liver   nervous system   auditory system   hematopoietic system   eyes                                                                                                                                                              | Not classified | Rat               | NOAEL 125 mg/kg/day   | 4 weeks               |

|                                           |           |                                                                                                                                                                                                                                                              |                |     |                     |         |
|-------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----|---------------------|---------|
| Tris(2,4,6-dimethylaminomonomethyl)phenol | Ingestion | heart   endocrine system   hematopoietic system   liver   muscles   nervous system   kidney and/or bladder   respiratory system   vascular system   auditory system   skin   gastrointestinal tract   bone, teeth, nails, and/or hair   immune system   eyes | Not classified | Rat | NOAEL 150 mg/kg/day | 90 days |
|-------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----|---------------------|---------|

**Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.**

## SECTION 12: Ecological information

**Ecotoxicological information**

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

**Chemical fate information**

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

## SECTION 13: Disposal considerations

**13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

## SECTION 14: Transport Information

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: Regulatory information

**15.1. US Federal Regulations**

Contact 3M for more information.

**EPCRA 311/312 Hazard Classifications:**

**Physical Hazards**

Not applicable

**Health Hazards**

Hazard Not Otherwise Classified (HNOC)

Respiratory or Skin Sensitization

Serious eye damage or eye irritation

Skin Corrosion or Irritation

Specific target organ toxicity (single or repeated exposure)

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):****Ingredient**

Calcium salt (NITRATE COMPOUNDS (WATER DISSOCIABLE; REPORTABLE ONLY WHEN IN AQUEOUS SOLUTION))

**C.A.S. No**

Trade Secret

**% by Wt**

Trade Secret 5 - 10

**15.2. State Regulations**

Contact 3M for more information.

**15.3. Chemical Inventories**

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

**15.4. International Regulations**

Contact 3M for more information.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

**SECTION 16: Other information****NFPA Hazard Classification****Health:** 3 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

**Document Group:** 44-7660-2  
**Issue Date:** 11/14/24

**Version Number:** 1.02  
**Supersedes Date:** 04/25/24

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product,

some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

**3M USA SDSs are available at [www.3M.com](http://www.3M.com)**