

Safety Data Sheet

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|-----------------|-----------|------------------|----------|
| Issue Date: | 04/13/25 | Supercedes Date: | 10/24/23 |

SECTION 1: Identification

1.1. Product identifier

3M[™] Scotch-Weld[™] Epoxy Adhesive DP420NS Black, Part A or Epoxy Adhesive 420NS Black, Part A

| Product | Identification | Numbers |
|-----------|----------------|--------------|
| I I Ouuce | rachtententon | 1 (uninoul o |

| ID Number | UPC | ID Number | UPC |
|----------------|------------------|----------------|-------------------|
| 62-3399-8530-1 | 00-21200-31309-7 | 62-3399-9530-0 | 0-0048011-58133-0 |

62-3399-9531-8

700000857, 7100084536, 7100160352

1.2. Recommended use and restrictions on use

Recommended use

2-Part Epoxy Adhesive, Structural adhesive

1.3. Supplier's details

| MANUFACTURER: | 3M |
|---------------|---|
| DIVISION: | 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 1. Skin Corrosion/Irritation: Category 1B. Skin Sensitizer: Category 1.

2.2. Label elements Signal word Danger

Symbols

Corrosion | Exclamation mark |

Pictograms



Hazard Statements

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

Precautionary Statements

Prevention:

Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves, protective clothing, and eye/face protection. 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 SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage:

Store locked up.

Disposal:

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

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

| Ingredient | C.A.S. No. | % by Wt |
|--|---------------|------------------------|
| Modified Epoxy Resin NJTS. Reg. No. 04499600-5023P | Trade Secret* | 50 - 80 Trade Secret * |
| 4,7,10-Trioxatridecane-1,13-Diamine | 4246-51-9 | 20 - 40 Trade Secret * |
| Amorphous Silica | 67762-90-7 | 5 - 10 Trade Secret * |
| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | 90-72-2 | 1 - 5 Trade Secret * |
| Calcium Salt | 55120-75-7 | < 3 Trade Secret * |

NJTS or NJTSRN: New Jersey Trade Secret Registry Number.

3MTM Scotch-WeldTM Epoxy Adhesive DP420NS Black, Part A or Epoxy Adhesive 420NS Black, Part A 04/13/25

*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).

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

Exposure to extreme heat can give rise to thermal decomposition.

Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u> |
|-------------------------------|-------------------|
| Amine Compounds | During Combustion |
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |
| Hydrogen Chloride | During Combustion |
| Hydrogen Fluoride | During Combustion |
| Oxides of Nitrogen | During Combustion |
| Toxic Vapor, Gas, Particulate | 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

Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE

listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. 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.

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

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 thermal decomposition products. For industrial/occupational use only. Not for consumer sale or use. 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

Provide ventilated enclosure for curing. Curing enclosures must be exhausted to outdoors or to a suitable emission control

device. For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use with appropriate local exhaust ventilation sufficient to maintain levels of thermal decomposition products below their exposure guidelines. 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.

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

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 – Nitrile

Respiratory protection

A -----

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:

For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use a positive pressure supplied-air respirator.

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

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 | Off-White |
| Specific Physical Form: | Paste |
| Odor | Slight Amine |
| Odor threshold | No Data Available |
| рН | Not Applicable |
| Melting point | No Data Available |
| Boiling Point | > 340 °F |
| Flash Point | >=340 °F [<i>Test Method</i> :Tagliabue Closed Cup] |
| | |

| Evaporation rate Flammability (solid, gas) Flammable Limits(LEL) Flammable Limits(UEL) Vapor Pressure Vapor Density Density Specific Gravity Solubility in Water Solubility- non-water Partition coefficient: n-octanol/ water Autoignition temperature Decomposition temperature Viscosity Hazardous Air Pollutants Molecular weight VOC Less H2O & Exempt Solvents | Not Applicable Not Applicable No Data Available <=0.06 mmHg [@ 77 °F] 3.72 [Ref Std:AIR=1] 1.15 g/ml 1.15 [Ref Std:WATER=1] Slight (less than 10%) No Data Available No Data Available No Data Available No Data Available No Data Available 8,000 - 10,000 centipoise [@ 73 °F] 0 % weight [Test Method:Calculated] No Data Available 0 g/l [Test Method:calculated SCAQMD rule 443.1] [Details:when used as intended with Part B] |
|--|---|
| VOC Less H2O & Exempt Solvents VOC Less H2O & Exempt Solvents | [<i>Details</i> :when used as intended with Part B] 0 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1] [<i>Details</i> :as supplied] 0 % [<i>Test Method</i> :calculated SCAQMD rule 443.1] [<i>Details</i> :when used as intended with Part B] |
| | · ···································· |

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

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

Condition

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

<u>Substance</u>

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

Extreme heat arising from situations such as misuse or equipment failure can generate hydrogen fluoride as a decomposition product.

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:

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:

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.

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 >5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| 4,7,10-Trioxatridecane-1,13-Diamine | Dermal | Rabbit | LD50 2,525 mg/kg |
| 4,7,10-Trioxatridecane-1,13-Diamine | Ingestion | Rat | LD50 2,850 mg/kg |
| Amorphous Silica | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Amorphous Silica | Inhalation- Dust/Mist (4 hours) | Rat | LC50 > 0.691 mg/l |
| Amorphous Silica | Ingestion | Rat | LD50 > 5,110 mg/kg |
| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | Dermal | Rat | LD50 1,280 mg/kg |
| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | Ingestion | Rat | LD50 1,000 mg/kg |
| Calcium Salt | Dermal | Professio nal judgeme nt | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Calcium Salt | Ingestion | Rat | LD50 > 2,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|-------------------------------------|---------|-----------|
| 4,7,10-Trioxatridecane-1,13-Diamine | Rabbit | Corrosive |

| Amorphous Silica | Rabbit | No significant irritation |
|--|--------|---------------------------|
| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | Rabbit | Corrosive |
| Calcium Salt | Rabbit | Minimal irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|---------|---------------------------|
| | | |
| 4,7,10-Trioxatridecane-1,13-Diamine | Rabbit | Corrosive |
| Amorphous Silica | Rabbit | No significant irritation |
| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | Rabbit | Corrosive |
| Calcium Salt | Rabbit | Corrosive |

Skin Sensitization

| Name | Species | Value |
|--|-----------|----------------|
| 4,7,10-Trioxatridecane-1,13-Diamine | Professio | Sensitizing |
| | nal | |
| | judgeme | |
| | nt | |
| Amorphous Silica | Human | Not classified |
| | and | |
| | animal | |
| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | Guinea | Not classified |
| | pig | |
| Calcium Salt | Guinea | Not classified |
| | pig | |

Respiratory Sensitization

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

Germ Cell Mutagenicity

| Name | | Value |
|--|----------|---------------|
| | | |
| 4,7,10-Trioxatridecane-1,13-Diamine | In Vitro | Not mutagenic |
| Amorphous Silica | In Vitro | Not mutagenic |
| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | In Vitro | Not mutagenic |
| Calcium Salt | In Vitro | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|------------------|-----------|---------|--|
| Amorphous Silica | Not | Mouse | Some positive data exist, but the data are not |
| | Specified | | sufficient for classification |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|--|-----------|--|---------|--------------------------|-----------------------------|
| 4,7,10-Trioxatridecane-1,13-Diamine | Ingestion | Not classified for female reproduction | Rat | NOAEL 600 mg/kg/day | premating into lactation |
| 4,7,10-Trioxatridecane-1,13-Diamine | Ingestion | Not classified for male reproduction | Rat | NOAEL 600 mg/kg/day | 59 days |
| 4,7,10-Trioxatridecane-1,13-Diamine | Ingestion | Not classified for development | Rat | NOAEL 600 mg/kg/day | premating into lactation |
| Amorphous Silica | Ingestion | Not classified for female reproduction | Rat | NOAEL 509 mg/kg/day | 1 generation |
| Amorphous Silica | Ingestion | Not classified for male reproduction | Rat | NOAEL 497 mg/kg/day | 1 generation |
| Amorphous Silica | Ingestion | Not classified for development | Rat | NOAEL 1,350 mg/kg/day | during organogenesi s |
| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | Ingestion | Not classified for male reproduction | Rat | NOAEL 150 mg/kg/day | 2 generation |

| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | Ingestion | Not classified for female reproduction | Rat | NOAEL 50 | 2 generation |
|--|-----------|--|--------|-----------|--------------|
| | | | | mg/kg/day | |
| 2,4,6-Tris((Dimethylamino)Methyl))Phenol | Ingestion | Not classified for development | Rabbit | NOAEL 15 | during |
| | | | | mg/kg/day | gestation |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure |
|--------------------------|------------|------------------------|-----------------------------------|---------|-------------|----------|
| | | | | | | Duration |
| 4,7,10-Trioxatridecane- | Inhalation | respiratory irritation | Some positive data exist, but the | similar | NOAEL Not | |
| 1,13-Diamine | | | data are not sufficient for | health | available | |
| | | | classification | hazards | | |
| 2,4,6- | Inhalation | respiratory irritation | Some positive data exist, but the | similar | NOAEL Not | |
| Tris((Dimethylamino)Meth | | | data are not sufficient for | health | available | |
| yl))Phenol | | | classification | hazards | | |
| Calcium Salt | Inhalation | respiratory irritation | Some positive data exist, but the | similar | NOAEL not | |
| | | | data are not sufficient for | health | available | |
| | | | classification | hazards | | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|--|------------|---|----------------|---------|------------------------|-----------------------|
| 4,7,10-Trioxatridecane- 1,13-Diamine | 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 |
| Amorphous Silica | Inhalation | respiratory system silicosis | Not classified | Human | NOAEL Not available | occupational exposure |
| 2,4,6- Tris((Dimethylamino)Meth yl))Phenol | Dermal | skin | Not classified | Rat | NOAEL 25 mg/kg/day | 4 weeks |
| 2,4,6- Tris((Dimethylamino)Meth yl))Phenol | Dermal | liver nervous system auditory system hematopoietic system eyes | Not classified | Rat | NOAEL 125 mg/kg/day | 4 weeks |
| 2,4,6- Tris((Dimethylamino)Meth yl))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 completely cured (or polymerized) material 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

Hazard Not Otherwise Classified (HNOC)

Respiratory or Skin Sensitization Serious eye damage or eye irritation

Skin Corrosion or Irritation

15.2. State Regulations Contact 3M for more information.

15.3. Chemical Inventories

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: | 17-9844-6 | Version Number: | 9.07 |
|-----------------|-----------|------------------|----------|
| Issue Date: | 04/13/25 | Supercedes Date: | 10/24/23 |

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