



**3M General Offices**  
3M Center  
St. Paul, MN 55144-1000  
1-800-364-3577 or (651) 737-6501 (24 hours)

## Safety Data Sheet

2023-05-18 21:40:07.223

Purchase Order #: 110016  
Customer Number: 0016124695

SDS Coordinator  
HISCO  
CONCORD PARK DR 6650  
HOUSTON, TX 77040-4098  
USA

Dear SDS Coordinator

Enclosed is the Safety Data Sheet (SDS)\* for the product that your company recently purchased from 3M.

Please forward the attached document(s) to the individual in your organization responsible for hazard communication.

If you are a distributor and resell this product, OSHA and EPA require that you transmit this SDS information to your customers at the time of first shipment or whenever you receive revised SDSs from 3M.

3M SDSs are available over the Internet at [www.3m.com/MSDSSearch](http://www.3m.com/MSDSSearch).

3M is committed to meeting our customer requirements. Please contact your 3M customer service or sales representative if you have any questions. If you do not know whom to contact, please call the 3M Product Information Center at 1-800-364-3577.

**If you are not currently receiving 3M SDSs by e-mail and would like to do so, please contact our eSDS Administrator at [emsdsadmin@mmm.com](mailto:emsdsadmin@mmm.com)**

\*An Article Information Sheet (AIS) or Article Information Letter (AIL) may be enclosed in place of an SDS if the product is an article which does not require an SDS under the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.



## Safety Data Sheet

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**Document Group:** 33-4411-6  
**Issue Date:** 09/23/21

**Version Number:** 2.00  
**Supersedes Date:** 02/02/18

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Abrasive Products, Cubitron™ II Roloc Durable Edge Discs 947A

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

##### Recommended use

Abrasive Product

#### 1.3. Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** Abrasive Systems 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

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### 2.2. Label elements

##### Signal word

Not applicable.

##### Symbols

Not applicable.

##### Pictograms

Not applicable.

53% of the mixture consists of ingredients of unknown acute oral toxicity.

53% of the mixture consists of ingredients of unknown acute dermal toxicity.

79% of the mixture consists of ingredients of unknown acute inhalation toxicity.

### SECTION 3: Composition/information on ingredients

| <b>Ingredient</b>                                                   | <b>C.A.S. No.</b> | <b>% by Wt</b> |
|---------------------------------------------------------------------|-------------------|----------------|
| Cloth Backing                                                       | Mixture           | 15 - 55        |
| Cured Resin                                                         | Mixture           | 15 - 55        |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | 1344-28-1         | 15 - 25        |
| Filler                                                              | 13983-17-0        | 1 - 15         |
| Inorganic Fluoride                                                  | 14075-53-7        | 5 - 15         |
| Attachment Button                                                   | Mixture           | 1 - 10         |
| Inorganic Fluoride                                                  | 15096-52-3        | 1 - 8          |
| Quartz Silica                                                       | 14808-60-7        | < 0.5          |
| Titanium Dioxide                                                    | 13463-67-7        | 0.1 - 0.5      |
| Filler                                                              | 14807-96-6        | 0.01 - 0.3     |

## 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:**

Wash with soap and water. 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:**

No need for first aid is anticipated.

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

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

### 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

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**

Observe precautions from other sections.

**6.2. Environmental precautions**

Avoid release to the environment.

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

Not applicable.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

For industrial/occupational use only. Not for consumer sale or use. Avoid breathing of dust created by sanding, grinding or machining. Damaged product can break apart during use and cause serious injury to face or eyes. Check product for damage such as cracks or nicks prior to use. Replace if damaged. Always wear eye and face protection when working at sanding or grinding operations or when near such operations. Avoid release to the environment. Combustible dust may form by action of this product on another material (substrate). Dust generated from the substrate during use of this product may be explosive if in sufficient concentration with an ignition source. Dust deposits should not be allowed to accumulate on surfaces because of the potential for secondary explosions.

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

No special storage requirements.

**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.

| <b>Ingredient</b>                                                   | <b>C.A.S. No.</b> | <b>Agency</b> | <b>Limit type</b>                                                                                               | <b>Additional Comments</b>     |
|---------------------------------------------------------------------|-------------------|---------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------|
| CAS NO SEQ117922                                                    | 1344-28-1         | ACGIH         | TWA(respirable particles):3 mg/m3                                                                               |                                |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | 1344-28-1         | OSHA          | TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3                                                    |                                |
| Titanium Dioxide                                                    | 13463-67-7        | ACGIH         | TWA:10 mg/m3                                                                                                    | A4: Not class. as human carcin |
| Titanium Dioxide                                                    | 13463-67-7        | OSHA          | TWA(as total dust):15 mg/m3                                                                                     |                                |
| Filler                                                              | 13983-17-0        | ACGIH         | TWA(inhalable fraction):1 mg/m3                                                                                 | A4: Not class. as human carcin |
| Filler                                                              | 14807-96-6        | ACGIH         | TWA(respirable fraction):2 mg/m3                                                                                | A4: Not class. as human carcin |
| Filler                                                              | 14807-96-6        | OSHA          | TWA concentration(respirable):0.1 mg/m3(2.4 millions of particles/cu. ft.);TWA:20 millions of particles/cu. ft. |                                |
| Quartz Silica                                                       | 14808-60-7        | ACGIH         | TWA(respirable fraction):0.025 mg/m3                                                                            | A2: Suspected human carcin.    |
| Quartz Silica                                                       | 14808-60-7        | OSHA          | TWA Table Z-1(respirable):0.05 mg/m3;TWA Table Z-3(respirable):0.1 mg/m3;TWA                                    |                                |

|           |            |       |                                                                                     |                                |
|-----------|------------|-------|-------------------------------------------------------------------------------------|--------------------------------|
|           |            |       | concentration(respirable):0.1 mg/m <sup>3</sup> (2.4 millions of particles/cu. ft.) |                                |
| FLUORIDES | 15096-52-3 | ACGIH | TWA(as F):2.5 mg/m <sup>3</sup>                                                     | A4: Not class. as human carcin |
| FLUORIDES | 15096-52-3 | OSHA  | TWA(as F):2.5 mg/m <sup>3</sup> ;TWA(as dust):2.5 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

Provide appropriate local exhaust ventilation for sanding, grinding or machining. 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. Provide local exhaust at process emission sources to control exposure near the source and to prevent the escape of dust into the work area. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

To minimize the risk of injury to face and eyes, always wear eye and face protection when working at sanding or grinding operations or when near such operations. 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

#### Skin/hand protection

Wear appropriate gloves to minimize risk of injury to skin from contact with dust or physical abrasion from grinding or sanding.

#### Respiratory protection

Assess exposure concentrations of all materials involved in the work process. Consider material being abraded when determining the appropriate respiratory protection. Select and use appropriate respirators to prevent inhalation overexposure.

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 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

|                                         |                          |
|-----------------------------------------|--------------------------|
| <b>Appearance</b>                       |                          |
| Physical state                          | Solid                    |
| Color                                   | Red                      |
| <b>Odor</b>                             | Slight Polymeric         |
| Odor threshold                          | <i>Not Applicable</i>    |
| pH                                      | <i>Not Applicable</i>    |
| Melting point                           | <i>Not Applicable</i>    |
| Boiling Point                           | <i>Not Applicable</i>    |
| Flash Point                             | <i>Not Applicable</i>    |
| Evaporation rate                        | <i>Not Applicable</i>    |
| Flammability (solid, gas)               | Not Classified           |
| Flammable Limits(LEL)                   | <i>Not Applicable</i>    |
| Flammable Limits(UEL)                   | <i>Not Applicable</i>    |
| Vapor Pressure                          | <i>Not Applicable</i>    |
| Vapor Density                           | <i>Not Applicable</i>    |
| Density                                 | <i>Not Applicable</i>    |
| Specific Gravity                        | <i>Not Applicable</i>    |
| Solubility In Water                     | <i>Not Applicable</i>    |
| Solubility- non-water                   | <i>Not Applicable</i>    |
| Partition coefficient: n-octanol/ water | <i>Not Applicable</i>    |
| Autoignition temperature                | <i>Not Applicable</i>    |
| Decomposition temperature               | <i>Not Applicable</i>    |
| Viscosity                               | <i>Not Applicable</i>    |
| VOC Less H2O & Exempt Solvents          | <i>No Data Available</i> |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

### 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

None known.

### 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:

Dust from grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

##### Skin Contact:

Mechanical Skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

##### Eye Contact:

Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

Dust created by grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

##### Ingestion:

No health effects are expected.

#### Carcinogenicity:

| <b>Ingredient</b>                                               | <b>CAS No.</b> | <b>Class Description</b>       | <b>Regulation</b>                           |
|-----------------------------------------------------------------|----------------|--------------------------------|---------------------------------------------|
| Silica, Crystalline (Respirable Size)                           | 14808-60-7     | Known human carcinogen         | National Toxicology Program Carcinogens     |
| Talc containing asbestiform fibres                              | 14807-96-6     | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Silica dust, crystalline, in the form of quartz or cristobalite | 14808-60-7     | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Titanium dioxide                                                | 13463-67-7     | Grp. 2B: Possible human carc.  | International Agency for Research on Cancer |

#### Additional Information:

This document covers only the 3M product. For complete assessment, when determining the degree of hazard, the material being abraded must also be considered.

This product contains titanium dioxide and quartz (crystalline) silica. Cancer of the lungs has been associated with inhalation of high levels of titanium dioxide in animal studies, and occupational exposure to inhaled quartz silica has been associated with silicosis and lung cancer. No exposure to titanium dioxide or quartz silica is expected during the normal handling and use of this product. Titanium dioxide and quartz silica were not detected when air sampling was conducted during simulated use of similar products containing these substances. Therefore, the health effects associated with titanium dioxide and quartz (crystalline) silica are not expected during the normal use of this product.

#### 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

| <b>Name</b>                                                         | <b>Route</b>               | <b>Species</b> | <b>Value</b>                                   |
|---------------------------------------------------------------------|----------------------------|----------------|------------------------------------------------|
| Overall product                                                     | Dermal                     |                | No data available; calculated ATE >5,000 mg/kg |
| Overall product                                                     | Inhalation-Dust/Mist(4 hr) |                | No data available; calculated ATE >12.5 mg/l   |
| Overall product                                                     | Ingestion                  |                | No data available; calculated ATE >5,000 mg/kg |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Dermal                     |                | LD50 estimated to be > 5,000 mg/kg             |

|                                                                     |                                |        |                                          |
|---------------------------------------------------------------------|--------------------------------|--------|------------------------------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 2.3 mg/l                          |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Ingestion                      | Rat    | LD50 > 5,000 mg/kg                       |
| Filler                                                              | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg       |
| Filler                                                              | Ingestion                      |        | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Inorganic Fluoride                                                  | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg       |
| Inorganic Fluoride                                                  | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 5.3 mg/l                          |
| Inorganic Fluoride                                                  | Ingestion                      | Rat    | LD50 5,854 mg/kg                         |
| Inorganic Fluoride                                                  | Dermal                         | Rabbit | LD50 > 2,100 mg/kg                       |
| Inorganic Fluoride                                                  | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 4.5 mg/l                            |
| Inorganic Fluoride                                                  | Ingestion                      | Rat    | LD50 5,000 mg/kg                         |
| Quartz Silica                                                       | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg       |
| Quartz Silica                                                       | Ingestion                      |        | LD50 estimated to be > 5,000 mg/kg       |
| Titanium Dioxide                                                    | Dermal                         | Rabbit | LD50 > 10,000 mg/kg                      |
| Titanium Dioxide                                                    | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 6.82 mg/l                         |
| Titanium Dioxide                                                    | Ingestion                      | Rat    | LD50 > 10,000 mg/kg                      |
| Filler                                                              | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg       |
| Filler                                                              | Ingestion                      |        | LD50 estimated to be > 5,000 mg/kg       |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                                                                | Species                 | Value                     |
|---------------------------------------------------------------------|-------------------------|---------------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Rabbit                  | No significant irritation |
| Inorganic Fluoride                                                  | Rabbit                  | No significant irritation |
| Inorganic Fluoride                                                  | Multiple animal species | No significant irritation |
| Quartz Silica                                                       | Professional judgment   | No significant irritation |
| Titanium Dioxide                                                    | Rabbit                  | No significant irritation |
| Filler                                                              | Rabbit                  | No significant irritation |

#### Serious Eye Damage/Irritation

| Name                                                                | Species | Value                     |
|---------------------------------------------------------------------|---------|---------------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Rabbit  | No significant irritation |
| Inorganic Fluoride                                                  | Rabbit  | No significant irritation |
| Inorganic Fluoride                                                  | Rabbit  | Mild irritant             |
| Titanium Dioxide                                                    | Rabbit  | No significant irritation |
| Filler                                                              | Rabbit  | No significant irritation |

#### Skin Sensitization

| Name             | Species          | Value          |
|------------------|------------------|----------------|
| Titanium Dioxide | Human and animal | Not classified |

#### Respiratory Sensitization

| Name   | Species | Value          |
|--------|---------|----------------|
| Filler | Human   | Not classified |



**Germ Cell Mutagenicity**

| Name                                                                | Route    | Value                                                                        |
|---------------------------------------------------------------------|----------|------------------------------------------------------------------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | In Vitro | Not mutagenic                                                                |
| Filler                                                              | In Vitro | Not mutagenic                                                                |
| Quartz Silica                                                       | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Quartz Silica                                                       | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Titanium Dioxide                                                    | In Vitro | Not mutagenic                                                                |
| Titanium Dioxide                                                    | In vivo  | Not mutagenic                                                                |
| Filler                                                              | In Vitro | Not mutagenic                                                                |
| Filler                                                              | In vivo  | Not mutagenic                                                                |

**Carcinogenicity**

| Name                                                                | Route      | Species                 | Value                                                                        |
|---------------------------------------------------------------------|------------|-------------------------|------------------------------------------------------------------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Inhalation | Rat                     | Not carcinogenic                                                             |
| Quartz Silica                                                       | Inhalation | Human and animal        | Carcinogenic                                                                 |
| Titanium Dioxide                                                    | Ingestion  | Multiple animal species | Not carcinogenic                                                             |
| Titanium Dioxide                                                    | Inhalation | Rat                     | Carcinogenic                                                                 |
| Filler                                                              | Inhalation | Rat                     | 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    |
|--------|-----------|--------------------------------|---------|-------------------|----------------------|
| Filler | Ingestion | Not classified for development | Rat     | NOAEL 1,600 mg/kg | 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     |
|---------------------------------------------------------------------|------------|---------------------------------|------------------------------------------------------------------------------|------------------|----------------------|-----------------------|
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Inhalation | pneumoconiosis                  | Some positive data exist, but the data are not sufficient for classification | Human            | NOAEL Not available  | occupational exposure |
| Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous) | Inhalation | pulmonary fibrosis              | Not classified                                                               | Human            | NOAEL Not available  | occupational exposure |
| Filler                                                              | Inhalation | respiratory system              | Not classified                                                               | Human            | NOAEL Not available  | occupational exposure |
| Filler                                                              | Inhalation | pulmonary fibrosis              | Not classified                                                               | Human and animal | NOAEL Not available  |                       |
| Inorganic Fluoride                                                  | Inhalation | bone, teeth, nails, and/or hair | Causes damage to organs through prolonged or repeated exposure               | Rat              | NOAEL 0.0005 mg/l    | 5 months              |
| Inorganic Fluoride                                                  | Inhalation | respiratory system              | Causes damage to organs through prolonged or repeated exposure               | Rat              | NOAEL 0.00021 mg/l   | 90 days               |
| Inorganic Fluoride                                                  | Ingestion  | bone, teeth, nails, and/or hair | Causes damage to organs through prolonged or repeated exposure               | Rat              | LOAEL 0.58 mg/kg/day | 14 weeks              |

|                  |            |                                         |                                                                              |       |                     |                       |
|------------------|------------|-----------------------------------------|------------------------------------------------------------------------------|-------|---------------------|-----------------------|
| Quartz Silica    | Inhalation | silicosis                               | Causes damage to organs through prolonged or repeated exposure               | Human | NOAEL Not available | occupational exposure |
| Titanium Dioxide | Inhalation | respiratory system                      | Some positive data exist, but the data are not sufficient for classification | Rat   | LOAEL 0.01 mg/l     | 2 years               |
| Titanium Dioxide | Inhalation | pulmonary fibrosis                      | Not classified                                                               | Human | NOAEL Not available | occupational exposure |
| Filler           | Inhalation | pneumoconiosis                          | Causes damage to organs through prolonged or repeated exposure               | Human | NOAEL Not available | occupational exposure |
| Filler           | Inhalation | pulmonary fibrosis   respiratory system | Not classified                                                               | Rat   | NOAEL 18 mg/m3      | 113 weeks             |

**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.

The substrate that was abraded must be considered as a factor in the disposal method for this product. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials.

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

**SECTION 14: Transport Information**

Not regulated per U.S. DOT, IATA or IMO.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M transportation classifications are based on product formulation, packaging, 3M policies and 3M understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for U.S. ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

**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

Not applicable

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

| <u>Ingredient</u>                                                                                               | <u>C.A.S. No</u> | <u>% by Wt</u> |
|-----------------------------------------------------------------------------------------------------------------|------------------|----------------|
| Ceramic Aluminum Oxide / Aluminum Oxide<br>Mineral Blend (non-fibrous)                                          | 1344-28-1        | 15 - 25        |
| Ceramic Aluminum Oxide / Aluminum Oxide<br>Mineral Blend (non-fibrous) (ALUMINUM OXIDE<br>(FIBROUS FORMS ONLY)) | 1344-28-1        | 15 - 25        |

### 15.2. State Regulations

Contact 3M for more information.

### 15.3. Chemical Inventories

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

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.

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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