# 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.

| | | | |
|---|---|---|---|
| **Document Group:** | 44-4488-1 | **Version Number:** | 1.01 |
| **Issue Date:** | 05/21/25 | **Supercedes Date:** | 06/20/23 |

## SECTION 1: Identification

**1.1. Product identifier**
3M™ Classic Roofing Granules, Olive - 1200P (Pittsboro, NC)

**Product Identification Numbers**
98-0213-4002-5
7010402643

**1.2. Recommended use and restrictions on use**

**Recommended use**
Industrial use
**Restrictions on use**

For industrial/occupational use only. Not for consumer sale or use. This product must be used in compliance with applicable health and safety regulations and standards.

**1.3. Supplier's details**

| | |
|---|---|
| **MANUFACTURER:** | 3M |
| **DIVISION:** | Industrial Mineral Products |
| **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**
Carcinogenicity: Category 1A.
Specific Target Organ Toxicity (repeated exposure): Category 1.

**2.2. Label elements**
**Signal word**
Danger

**Symbols**
Health Hazard |

**Pictograms**



**Hazard Statements**
May cause cancer.

Causes damage to organs through prolonged or repeated exposure:
respiratory system |

**Precautionary Statements**

**Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

**Response:**
IF exposed or concerned: Get medical advice/attention.

**Storage:**
Store locked up.

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

54% of the mixture consists of ingredients of unknown acute oral toxicity.
54% of the mixture consists of ingredients of unknown acute dermal toxicity.

## SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|---|---|
| Feldspar-Group Minerals | 68476-25-5 | 35 - 65 Trade Secret * |
| Chlorite-Group Minerals | 1318-59-8 | 4 - 25 Trade Secret * |
| Quartz Silica | 14808-60-7 | 4 - 25 Trade Secret * |
| Amphibole-Group Minerals (Non-Asbestiform) | 1318-09-8 | < 15 Trade Secret * |
| Epidote | 1318-49-6 | < 15 Trade Secret * |
| Pyroxene-Group Minerals | 12174-37-7 | < 15 Trade Secret * |
| Illite | 12173-60-3 | < 10 Trade Secret * |
| Mica-Group Minerals | 12001-26-2 | < 10 Trade Secret * |
| Ceramic | 66402-68-4 | 1 - 5 Trade Secret * |
| Calcite | 13397-26-7 | < 2 Trade Secret * |
| Chromium(III) Oxide (Cr2O3) | 1308-38-9 | < 0.5 Trade Secret * |
| Oil | 64742-52-5 | < 0.5 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:**
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:**
Rinse mouth. If you feel unwell, get medical attention.

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

Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

**4.3. Indication of any immediate medical attention and special treatment required**
Not applicable.

# SECTION 5: Fire-fighting measures

**5.1. Suitable extinguishing media**
Non-combustible. Use a fire fighting agent suitable for surrounding fire.

**5.2. Special hazards arising from the substance or mixture**
None inherent in this product.

**5.3. Special protective actions for fire-fighters**
No special protective actions for fire-fighters are anticipated.

# 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**
Not applicable.

**6.3. Methods and material for containment and cleaning up**
Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting. Sweep up. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. 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. Granules are not respirable. Dust generated during handling may contain respirable material. The manufacturer does not recommend material handling methods that could damage the coating or base mineral. In particular, roofing granules should not be conveyed pneumatically, via screw conveyors, or used as a sand blasting media. These uses can cause coating and base mineral attrition which may lead to increased levels of dust generation Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protective equipment (gloves, respirators, etc.) as required. Solids can generate static electricity charges when transferred and in mixing operations sufficient to be an ignition source. Evaluate the need for precautions, such as grounding and bonding, low energy transfer of material (e.g. low speed, short distance), or inert atmospheres. Do not handle until all safety precautions have been read and understood.

**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.

| Ingredient | C.A.S. No. | Agency | Limit type | Additional Comments |
|---|---|---|---|---|
| Mica-Group Minerals | 12001-26-2 | ACGIH | TWA(respirable fraction):0.1 mg/m3 | |
| Mica-Group Minerals | 12001-26-2 | OSHA | TWA:20 millions of particles/cu. ft. | |
| CHROMIUM (II) COMPOUNDS | 1308-38-9 | OSHA | TWA(as Cr):0.5 mg/m3 | |
| CHROMIUM (III) COMPOUNDS | 1308-38-9 | ACGIH | TWA(as Cr(III), inhalable fraction):0.003 mg/m3 | A4: Not class. as human carcin |
| CHROMIUM (III) COMPOUNDS | 1308-38-9 | OSHA | TWA(as Cr):0.5 mg/m3 | |
| Chromium(3+), soluble salts | 1308-38-9 | ACGIH | TWA(as Cr(III), inhalable fraction):0.003 mg/m3 | A4: Not class. as human carcin, Dermal/Respiratory Sensitizer |
| Chromium, insoluble salts | 1308-38-9 | OSHA | TWA(as Cr):1 mg/m3 | |
| 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/m3(2.4 millions of particles/cu. ft.) | |
| Paraffin oil | 64742-52-5 | OSHA | TWA(as mist):5 mg/m3 | |
| PETROLEUM DISTILLATES | 64742-52-5 | OSHA | TWA:2000 mg/m3(500 ppm) | |

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 local exhaust ventilation at transfer points. 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

**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

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used:Nitrile Rubber

**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 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** | Solid |
| **Color** | Olive |
| **Specific Physical Form:** | Granules |
| **Odor** | Oily |
| **Odor threshold** | *No Data Available* |
| **pH** | *No Data Available* |
| **Melting point** | *No Data Available* |
| **Boiling Point** | *No Data Available* |
| **Flash Point** | No flash point |
| **Evaporation rate** | *No Data Available* |
| **Flammability (solid, gas)** | Not Classified |
| **Flammable Limits(LEL)** | *No Data Available* |

| | |
|---|---|
| **Flammable Limits(UEL)** | *No Data Available* |
| **Vapor Pressure** | *No Data Available* |
| **Vapor Density** | *No Data Available* |
| **Specific Gravity** | 2.70 - 2.90 [*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* |
| **Molecular weight** | *No Data Available* |

## 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. | |

## 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:**
May cause additional health effects (see below).

**Skin Contact:**
May be harmful in contact with skin.
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.

**Ingestion:**
May be harmful if swallowed.
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Additional Health Effects:**

**Prolonged or repeated exposure may cause target organ effects:**
Silicosis: Signs/symptoms may include breathlessness, weakness, chest pain, persistent cough, increased amounts of sputum, and heart disease.

Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

**Carcinogenicity:**
Contains a chemical or chemicals which can cause cancer.

| Ingredient | CAS No. | Class Description | Regulation |
|---|---|---|---|
| Silica, Crystalline (Respirable Size) | 14808-60-7 | Known To Be Human Carcinogen. | National Toxicology Program Carcinogens |
| Silica dust, crystalline, in the form of quartz or cristobalite | 14808-60-7 | Grp. 1: Carcinogenic to humans | 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 | 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 |
| Feldspar-Group Minerals | Dermal | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Feldspar-Group Minerals | Ingestion | | LD50 estimated to be 2,000 - 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 |
| Chlorite-Group Minerals | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Chlorite-Group Minerals | Ingestion | | LD50 estimated to be > 5,000 mg/kg |
| Mica-Group Minerals | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Mica-Group Minerals | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Calcite | Dermal | Rat | LD50 > 2,000 mg/kg |
| Calcite | Inhalation-Dust/Mist (4 hours) | Rat | LC50 3 mg/l |
| Calcite | Ingestion | Rat | LD50 6,450 mg/kg |
| Ceramic | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Ceramic | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Chromium(III) Oxide (Cr2O3) | Dermal | Professional judgement | LD50 estimated to be > 5,000 mg/kg |
| Chromium(III) Oxide (Cr2O3) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.41 mg/l |
| Chromium(III) Oxide (Cr2O3) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Oil | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Oil | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Feldspar-Group Minerals | Professional judgement | No significant irritation |
| Quartz Silica | Professional judgement | No significant irritation |
| Chlorite-Group Minerals | Professional judgement | No significant irritation |
| Calcite | Rabbit | No significant irritation |
| Ceramic | Rabbit | No significant irritation |
| Chromium(III) Oxide (Cr2O3) | Rabbit | No significant irritation |
| Oil | Rabbit | Minimal irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Chlorite-Group Minerals | Professional judgement | No significant irritation |
| Calcite | Rabbit | No significant irritation |
| Ceramic | Rabbit | Mild irritant |
| Chromium(III) Oxide (Cr2O3) | Rabbit | No significant irritation |
| Oil | Rabbit | Mild irritant |

**Skin Sensitization**

| Name | Species | Value |
|---|---|---|
| Chromium(III) Oxide (Cr2O3) | similar compounds | Not classified |
| Oil | 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 |
|---|---|---|
| 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 |
| Ceramic | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Chromium(III) Oxide (Cr2O3) | In vivo | Not mutagenic |
| Chromium(III) Oxide (Cr2O3) | In Vitro | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Quartz Silica | Inhalation | Human and | Carcinogenic |

| | | | |
|---|---|---|---|
| | | animal | |
| Ceramic | Inhalation | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| Chromium(III) Oxide (Cr2O3) | Ingestion | Rat | Not carcinogenic |
| Oil | Ingestion | Rat | Not carcinogenic |
| Oil | Dermal | 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 |
|---|---|---|---|---|---|
| Calcite | Ingestion | Not classified for development | Rat | NOAEL 625 mg/kg/day | premating & during gestation |
| Chromium(III) Oxide (Cr2O3) | Ingestion | Not classified for female reproduction | Rat | NOAEL 2,000 mg/kg/day | 90 days |
| Chromium(III) Oxide (Cr2O3) | Ingestion | Not classified for male reproduction | Rat | NOAEL 2,000 mg/kg/day | 90 days |
| Chromium(III) Oxide (Cr2O3) | Ingestion | Not classified for development | Rat | NOAEL 2,000 mg/kg/day | 90 days |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| Calcite | Inhalation | respiratory system | Not classified | Rat | NOAEL 0.812 mg/l | 90 minutes |
| Chromium(III) Oxide (Cr2O3) | Inhalation | respiratory system | Not classified | Rat | NOAEL 40 mg | |
| Oil | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| Quartz Silica | Inhalation | silicosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| Mica-Group Minerals | Inhalation | pneumoconiosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| Calcite | Inhalation | respiratory system | Not classified | Human | NOAEL Not available | occupational exposure |
| Ceramic | Inhalation | pulmonary fibrosis | Not classified | Multiple animal species | NOAEL not available | |
| Ceramic | Inhalation | respiratory system | Not classified | Human | NOAEL not available | occupational exposure |
| Chromium(III) Oxide (Cr2O3) | Inhalation | immune system \| respiratory system \| hematopoietic system \| liver \| kidney and/or bladder | Not classified | Rat | NOAEL 44 mg/m3 | 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.

**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 |
|---|
| Carcinogenicity |
| Specific target organ toxicity (single or repeated exposure) |

## 15.2. State Regulations
Contact 3M for more information.

**California Proposition 65**

| Ingredient | C.A.S. No. | Listing |
|---|---|---|
| Silica, crystalline (airborne particles of respirable size) | None | Carcinogen |
| Carbon black (airborne, unbound particles of respirable size [= 10 micrometers]) | 1333-86-4 | Carcinogen |
| Cobalt metal powder | None | Carcinogen |
| CHROMIUM (HEXAVALENT COMPOUNDS) | None | Carcinogen |
| Lead | 7439-92-1 | Female reproductive toxin |
| Lead | 7439-92-1 | Male reproductive toxin |
| Lead | 7439-92-1 | Developmental Toxin |

| | | |
|---|---|---|
| Arsenic (inorganic arsenic compounds) | None | Carcinogen |

### 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:** 1 **Flammability:** 0 **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:** | 44-4488-1 | **Version Number:** | 1.01 |
| **Issue Date:** | 05/21/25 | **Supercedes Date:** | 06/20/23 |

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**