



## Safety Data Sheet

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Dry Guide Coat, PN 05860, 05861

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

##### Recommended use

Powder applied on top of primer and plastic filler to highlight defects

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Automotive Aftermarket                  |
| <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

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information for labels regulated by other agencies.

#### 2.1. Hazard classification

Carcinogenicity: Category 2.

#### 2.2. Label elements

##### Signal word

Warning

##### Symbols

Health Hazard |

##### Pictograms

**Hazard Statements**

Suspected of causing cancer.

**Precautionary Statements****General:**

Keep out of reach of children.

**Prevention:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves.

**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.

### SECTION 3: Composition/information on ingredients

| Ingredient       | C.A.S. No. | % by Wt                |
|------------------|------------|------------------------|
| Limestone        | 1317-65-3  | 40 - 70 Trade Secret * |
| Activated Carbon | 7440-44-0  | 10 - 30 Trade Secret * |
| Carbon Black     | 1333-86-4  | 3 - 7 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 are concerned, get medical advice.

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

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**

No special protective actions for fire-fighters are anticipated.

**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**

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**

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. 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. Use personal protective equipment (gloves, respirators, etc.) as required.

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

Store away from acids.

**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>   |
|-------------------------|-------------------|---------------|--|------------------------------|
| Limestone               | 1317-65-3         | OSHA          | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(respirable fraction):5 mg/m <sup>3</sup>  |                              |
| 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>  |                              |
| DUST, INERT OR NUISANCE | 7440-44-0         | OSHA          | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(as total dust):50 millions of particles/cu. ft.(15 mg/m <sup>3</sup> );TWA(respirable fraction):15 millions of particles/cu. ft.(5 mg/m <sup>3</sup> );TWA(respirable fraction):5 mg/m <sup>3</sup> |                              |
| Graphite                | 7440-44-0         | ACGIH         | TWA(respirable fraction):2 mg/m <sup>3</sup>   |                              |
| Graphite                | 7440-44-0         | OSHA          | TWA:15 millions of particles/cu. ft.   |                              |
| GRAPHITE SYNTHETIC      | 7440-44-0         | OSHA          | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(respirable fraction):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**

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.

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

**Respiratory protection**

In case of inadequate ventilation wear 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

|  |  |
|--|--|
| <b>General Physical Form:</b>                  | Solid  |
| <b>Specific Physical Form:</b>                 | Powder   |
| <b>Odor, Color, Grade:</b>                     | Dark grey odorless powder.                           |
| <b>Odor threshold</b>                          | <i>No Data Available</i>                             |
| <b>pH</b>                                      | <i>Not Applicable</i>                                |
| <b>Melting point</b>                           | <i>No Data Available</i>                             |
| <b>Boiling Point</b>                           | <i>Not Applicable</i>                                |
| <b>Flash Point</b>                             | No flash point                                       |
| <b>Evaporation rate</b>                        | <i>Not Applicable</i>                                |
| <b>Flammability (solid, gas)</b>               | Not Classified                                       |
| <b>Flammable Limits(LEL)</b>                   | <i>No Data Available</i>                             |
| <b>Flammable Limits(UEL)</b>                   | <i>Not Applicable</i>                                |
| <b>Vapor Pressure</b>                          | <i>Not Applicable</i>                                |
| <b>Vapor Density</b>                           | <i>Not Applicable</i>                                |
| <b>Density</b>                                 | 0.625 - 0.770 g/cm <sup>3</sup>                      |
| <b>Specific Gravity</b>                        | 0.625 - 0.770 [Ref Std:WATER=1]                      |
| <b>Solubility in Water</b>                     | Nil  |
| <b>Solubility- non-water</b>                   | <i>No Data Available</i>                             |
| <b>Partition coefficient: n-octanol/ water</b> | <i>No Data Available</i>                             |
| <b>Autoignition temperature</b>                | <i>No Data Available</i>                             |
| <b>Decomposition temperature</b>               | <i>No Data Available</i>                             |
| <b>Viscosity</b>                               | <i>Not Applicable</i>                                |
| <b>Hazardous Air Pollutants</b>                | 0 lb HAPS/lb solids [Test Method:Calculated]         |
| <b>Molecular weight</b>                        | <i>No Data Available</i>                             |
| <b>Volatile Organic Compounds</b>              | 0 % weight [Test Method:calculated per CARB title 2] |
| <b>Volatile Organic Compounds</b>              | 0 g/l [Test Method:calculated SCAQMD rule 443.1]     |
| <b>Percent volatile</b>                        | Nil  |
| <b>VOC Less H2O &amp; Exempt Solvents</b>      | 0 g/l [Test Method:calculated SCAQMD rule 443.1]     |

## 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

Not determined

**10.5. Incompatible materials**

Strong acids

**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:**

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:**

No known health effects.

**Additional Health Effects:**

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

| <u>Ingredient</u> | <u>CAS No.</u> | <u>Class Description</u>      | <u>Regulation</u>                           |
|-------------------|----------------|-------------------------------|---|
| 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**

| <u>Name</u>     | <u>Route</u>         | <u>Species</u> | <u>Value</u>                                   |
|-----------------|----------------------|----------------|--|
| Overall product | Ingestion            |                | No data available; calculated ATE >5,000 mg/kg |
| Limestone       | Dermal               | Rat            | LD50 > 2,000 mg/kg                             |
| Limestone       | Inhalation-Dust/Mist | Rat            | LC50 3 mg/l                                    |

|                  |                                |        |                                    |
|------------------|--------------------------------|--------|------------------------------------|
|                  | (4 hours)                      |        |                                    |
| Limestone        | Ingestion                      | Rat    | LD50 6,450 mg/kg                   |
| Activated Carbon | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg |
| Activated Carbon | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 2.1 mg/l                    |
| Activated Carbon | Ingestion                      | Rat    | LD50 > 2,000 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                     |
|------------------|---------|---------------------------|
| Limestone        | Rabbit  | No significant irritation |
| Activated Carbon | Rabbit  | No significant irritation |
| Carbon Black     | Rabbit  | No significant irritation |

### Serious Eye Damage/Irritation

| Name             | Species | Value                     |
|------------------|---------|---------------------------|
| Limestone        | Rabbit  | No significant irritation |
| Activated Carbon | Rabbit  | Mild irritant             |
| Carbon Black     | Rabbit  | No significant irritation |

### Skin Sensitization

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

### 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  |
|--------------|----------|--|
| 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            |
|--------------|------------|---------|------------------|
| 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              |
|-----------|-----------|--------------------------------|---------|---------------------|--------------------------------|
| Limestone | Ingestion | Not classified for development | Rat     | NOAEL 625 mg/kg/day | prematuring & during gestation |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name      | Route      | Target Organ(s)    | Value          | Species | Test Result      | Exposure Duration |
|-----------|------------|--------------------|----------------|---------|------------------|-------------------|
| Limestone | Inhalation | respiratory system | Not classified | Rat     | NOAEL 0.812 mg/l | 90 minutes        |

**Specific Target Organ Toxicity - repeated exposure**

| Name         | Route      | Target Organ(s)    | Value          | Species | Test Result         | Exposure Duration     |
|--------------|------------|--------------------|----------------|---------|---------------------|-----------------------|
| Limestone    | Inhalation | respiratory system | 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 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**



Carcinogenicity

**15.2. State Regulations**

Contact 3M for more information.

**California Proposition 65**

**Ingredient**

Carbon Black

**C.A.S. No.**

1333-86-4

**Listing**

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:** 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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