



Safety Data Sheet

Copyright, 2013, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilising 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: | 08-5407-5 | Version number: | 7.00 |
| Revision date: | 21/05/2013 | Supersedes date: | 16/07/2012 |
| Transportation version number: | 1.00 (29/07/2011) | | |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

3M Perfect-It III Cleaner Clay,38070.

Product identification numbers

GC-8008-6747-2

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Automotive.

1.3. Details of the supplier of the substance or mixture

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

E Mail: tox.uk@mmm.com

Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

This product is not classified as hazardous according to EU Directive 1999/45/EC.

2.2. Label elements

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Symbol(s)

None.

3M Perfect-It III Cleaner Clay,38070.**Contains:**

No ingredients are assigned to the label.

Risk phrases None.

Safety phrases None.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | EU Inventory | % by Wt | Classification |
|-------------------|------------|------------------|-----------|----------------|
| Calcium Carbonate | 471-34-1 | EINECS 207-439-9 | 60 - 100 | |
| 1-Butene Polymer | 9003-28-5 | | 10 - 30 | |
| Titanium dioxide | 13463-67-7 | EINECS 236-675-5 | 0.5 - 1.5 | |

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

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

No need for first aid is anticipated.

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

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. Extinguishing media**

Material will not burn. Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

5.3. Advice for fire-fighters

No unusual fire or explosion hazards are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate the area with fresh air. Observe precautions from other sections.

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. 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.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

7.2. Conditions for safe storage including any incompatibilities

Store away from acids.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Ingredient | CAS Nbr | Agency | Limit type | Additional comments |
|------------------|------------|------------------------------|--|---------------------|
| Titanium dioxide | 13463-67-7 | Health and Safety Comm. (UK) | TWA(Inhalable):10 mg/m ³ ;TWA(respirable):4 mg/m ³ | |
| Limestone | 471-34-1 | Health and Safety Comm. (UK) | TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 mg/m ³ ;TWA(Inhalable):10 mg/m ³ ;TWA(respirable):4 mg/m ³ | |

Health and Safety Comm. (UK) : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m³: milligrams per cubic metre

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/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

- During grinding, scraping, sanding:
Wear eye/face protection.

The following eye protection(s) are recommended: Safety glasses with side shields.

Skin/hand protection

Wear protective gloves.

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

Respiratory protection

- During grinding, scraping, sanding:
Wear respiratory protection if ventilation is inadequate to prevent 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 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

| | |
|-----------------------------|-------------------------|
| Physical state | Solid. |
| Specific Physical Form: | Solid block or slab |
| Appearance/Odour | Blue/No odour |
| Odour threshold | No data available. |
| pH | No data available. |
| Boiling point/boiling range | No data available. |
| Melting point | No data available. |
| Flammability (solid, gas) | Not classified |
| Explosive properties | Not classified |
| Oxidising properties | Not classified |
| Flash point | No flash point |
| Autoignition temperature | No data available. |
| Flammable Limits(LEL) | No data available. |
| Flammable Limits(UEL) | No data available. |
| Vapour pressure | No data available. |
| Relative density | 2.05 [Ref Std: WATER=1] |
| Water solubility | No data available. |
| Solubility- non-water | No data available. |

3M Perfect-It III Cleaner Clay,38070.

| | |
|---|---------------------------|
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Vapour density | <i>No data available.</i> |
| Decomposition temperature | <i>No data available.</i> |
| Viscosity | <i>No data available.</i> |
| Density | 2.05 g/cm ³ |

9.2. Other information

| | |
|--|---|
| Hazardous air pollutants | 0 % weight [<i>Test Method</i> :Calculated] |
| Volatile organic compounds (VOC) | 0 % weight [<i>Test Method</i> :calculated per CARB title 2] |
| Volatile organic compounds (VOC) | 0 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1] |
| Percent volatile | 0 % |
| VOC less H₂O & exempt solvents | 0 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1] |

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 polymerisation will not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|----------------------------|------------------|
| Irritant vapours or gases. | Not specified. |

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 labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

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

Inhalation

No health effects are expected.

3M Perfect-It III Cleaner Clay,38070.**Skin contact**

Contact with the skin during product use is not expected to result in significant irritation.

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion

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

Toxicological Data**Acute Toxicity**

| Name | Route | Species | Value |
|-------------------|--------------------------------|---------|--|
| Overall product | Ingestion | | Data not available or insufficient for classification; calculated ATE >5,000 mg/kg |
| Calcium Carbonate | Dermal | Rat | LD50 > 2,000 mg/kg |
| Calcium Carbonate | Inhalation-Dust/Mist (4 hours) | Rat | LC50 3.0 mg/l |
| Calcium Carbonate | Ingestion | Rat | LD50 6,450 mg/kg |
| 1-Butene Polymer | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Titanium dioxide | Dermal | Rabbit | LD50 > 10,000 mg/kg |
| Titanium dioxide | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 6.8 mg/l |
| Titanium dioxide | Ingestion | Rat | LD50 > 10,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|-------------------|---------|---|
| Calcium Carbonate | Rabbit | No significant irritation |
| 1-Butene Polymer | | Data not available or insufficient for classification |
| Titanium dioxide | | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|-------------------|---------|---|
| Calcium Carbonate | Rabbit | No significant irritation |
| 1-Butene Polymer | | Data not available or insufficient for classification |
| Titanium dioxide | | Mild irritant |

Skin Sensitisation

| Name | Species | Value |
|-------------------|---------|---|
| Calcium Carbonate | | Data not available or insufficient for classification |
| 1-Butene Polymer | | Data not available or insufficient for classification |
| Titanium dioxide | | Not sensitizing |

Respiratory Sensitisation

| Name | Species | Value |
|-------------------|---------|---|
| Calcium Carbonate | | Data not available or insufficient for classification |
| 1-Butene Polymer | | Data not available or insufficient for classification |
| Titanium dioxide | | Data not available or insufficient for classification |

Germ Cell Mutagenicity

| Name | Route | Value |
|-------------------|-----------|---|
| Calcium Carbonate | | Data not available or insufficient for classification |
| 1-Butene Polymer | | Data not available or insufficient for classification |
| Titanium dioxide | In Vitro | Not mutagenic |
| Titanium dioxide | Ingestion | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|-------------------|------------|---------|--|
| Calcium Carbonate | | | Data not available or insufficient for classification |
| 1-Butene Polymer | | | Data not available or insufficient for classification |
| Titanium dioxide | Ingestion | | Not carcinogenic |
| Titanium dioxide | Inhalation | | 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 |
|-------------------|-----------|---|---------|---------------------|--------------------------------|
| Calcium Carbonate | Ingestion | Not toxic to development | Rat | NOAEL 625 mg/kg/day | prematuring & during gestation |
| 1-Butene Polymer | | Data not available or insufficient for classification | | | |
| Titanium dioxide | | Data not available or insufficient for classification | | | |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|-------------------|------------|------------------------|--|---------|---------------------|-------------------|
| Calcium Carbonate | Inhalation | respiratory system | All data are negative | Rat | NOAEL 0.812 mg/l | 90 minutes |
| 1-Butene Polymer | | | Data not available or insufficient for classification | | | |
| Titanium dioxide | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | Irritation Positive | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|-------------------|------------|--------------------|--|---------|---------------------|-----------------------|
| Calcium Carbonate | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| 1-Butene Polymer | | | Data not available or insufficient for | | | |

3M Perfect-It III Cleaner Clay,38070.

| | | | classification | | | |
|------------------|------------|--------------------|--|--|---------------|--|
| Titanium dioxide | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | | NOEL 10 mg/m3 | |
| Titanium dioxide | Inhalation | pulmonary fibrosis | All data are negative | | NOAEL N/A | |

Aspiration Hazard

| Name | Value |
|-------------------|--------------------------|
| Calcium Carbonate | Not an aspiration hazard |
| 1-Butene Polymer | Not an aspiration hazard |
| Titanium dioxide | Not an aspiration hazard |

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

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity**Acute aquatic hazard:**

Not acutely toxic to aquatic life by GHS criteria.

Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

| Material | CAS Nbr | Organism | Type | Exposure | Test endpoint | Test result |
|-------------------|-----------|----------------------|---|----------|---------------|-------------|
| Calcium Carbonate | 471-34-1 | Western Mosquitofish | Experimental | 96 hours | LC50 | >100 mg/l |
| Calcium Carbonate | 471-34-1 | Rainbow trout | Experimental | 21 days | NOEC | >100 mg/l |
| 1-Butene Polymer | 9003-28-5 | | Data not available or insufficient for classification | | | |

12.2. Persistence and degradability

No test data available.

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|-------------------|-----------|---|----------|------------|-------------|----------|
| Calcium Carbonate | 471-34-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 1-Butene Polymer | 9003-28-5 | Data not available or | N/A | N/A | N/A | N/A |

3M Perfect-It III Cleaner Clay,38070.

| | | | | | | |
|--|--|---------------------------------|--|--|--|--|
| | | insufficient for classification | | | | |
|--|--|---------------------------------|--|--|--|--|

12.3 : Bioaccumulative potential

No test data available.

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|-------------------|-----------|---|----------|------------|-------------|----------|
| Calcium Carbonate | 471-34-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 1-Butene Polymer | 9003-28-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1 Waste treatment 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. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste. 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.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)

160304 Inorganic wastes other than those mentioned in 16 03 03

SECTION 14: Transportation information

GC-8008-6747-2

Not hazardous for transportation

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Carcinogenicity

| <u>Ingredient</u> | <u>CAS Nbr</u> | <u>Classification</u> | <u>Regulation</u> |
|-------------------|----------------|-------------------------------|---|
| Titanium dioxide | 13463-67-7 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

Global inventory status

Contact 3M for more information. The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

Revision information:

Revision Changes:

Section 3: Composition/ Information of ingredients table was modified.

Section 16: Regulations - Inventories - EU ONLY was modified.

Copyright was modified.

Section 9: Flash point information was modified.

Section 8: Occupational exposure limit table was modified.

Aspiration Hazard Table was modified.

Section 11: Acute Toxicity table was modified.

Carcinogenicity Table was modified.

Serious Eye Damage/Irritation Table was modified.

Germ Cell Mutagenicity Table was modified.

Skin Sensitisation Table was modified.

Respiratory Sensitisation Table was modified.

Reproductive Toxicity Table was modified.

Skin Corrosion/Irritation Table was modified.

Target Organs - Repeated Table was modified.

Target Organs - Single Table was modified.

Section 11: Health Effects - Eye information was modified.

Section 11: Health Effects - Skin information was modified.

Section 11: Health Effects - Inhalation information was modified.

Section 5: Fire - Extinguishing media information was modified.

Section 6: Accidental release personal information was modified.

Section 6: Accidental release clean-up information was modified.

Section 7: Precautions safe handling information was modified.

Section 7: Conditions safe storage was modified.

Section 13: Standard Phrase Category Waste GHS was modified.

Section 4: First aid for inhalation information was modified.

Section 15: Carcinogenicity heading was added.
Section 15: Carcinogenicity information was added.
Section 15: Carcinogenicity table Regulation column heading was added.
Section 15: Carcinogenicity table Ingredient column heading was added.
Section 15: Carcinogenicity table CAS No column heading was added.
Section 15: Carcinogenicity table Classification column heading was added.
Section 12: Component ecotoxicity information was added.
Section 12: Persistence and Degradability information was added.
Section 12:Biocumulative potential information was added.
Section 12: Component Ecotoxicity table Material column header was added.
Section 12: Component Ecotoxicity table CAS No column header was added.
Section 12: Component Ecotoxicity table Organism column header was added.
Section 12: Component Ecotoxicity table Type column header was added.
Section 12: Component Ecotoxicity table Exposure column header was added.
Section 12: Component Ecotoxicity table End point column header was added.
Section 12: Component Ecotoxicity table Result column header was added.
Section 12: Persistence and degradability table Material column header was added.
Section 12: Persistence and degradability table CAS No column header was added.
Section 12: Persistence and degradability table Test Type column header was added.
Section 12: Persistence and degradability table Duration column header was added.
Section 12: Persistence and degradability table Test Result column header was added.
Section 12: Persistence and degradability table Protocol column header was added.
Section 12:Biocumulative potential table Material column header was added.
Section 12:Biocumulative potential table CAS No column header was added.
Section 12:Biocumulative potential table CAS No column header was added.
Section 12:Biocumulative potential table Test Result column header was added.
Section 12:Biocumulative potential table Protocol column header was added.
Section 12:Biocumulative potential table Test Type column header was added.
Section 8: Personal Protection - Skin/hand information was added.
Section 12: Persistence and degradability table Study Type column header was added.
Section 12:Biocumulative potential table Test Type column header was added.
Section 9: Odour Threshold was added.
Section 9: Solubility (non-water) was added.
Section 09: Decomposition Temperature was added.
Label: Graphic was added.
Section 02: Graphic information was added.
Section 9: Flammability (solid, gas) information was added.
Section 2: Symbols heading was deleted.
Section 15: Symbol information was deleted.
Prints No Data if Component ecotoxicity information is not present was deleted.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

3M United Kingdom MSDSs are available at www.3M.com/uk