



## Safety Data Sheet

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|                                       |                   |                         |                |
|---------------------------------------|-------------------|-------------------------|----------------|
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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 Scotchgard Vinyl Floor Protector

#### 3M Product identification numbers

FN-6000-0109-6      FN-6000-0110-4

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

##### Identified uses

Hard floor maintenance.

#### 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**

##### Indication of danger

Irritant.  
Sensitising

## 3M Scotchgard Vinyl Floor Protector

### 2.2. Label elements

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

##### Symbols

Xi Irritant.

##### Contains:

N-(3-(Trimethoxysilyl)propyl)ethylenediamine

##### Risk phrases

R43 May cause sensitisation by skin contact.

##### Safety phrases

S24 Avoid contact with skin.  
S37 Wear suitable gloves.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S2 Keep out of the reach of children.

### Notes on labelling

The material (salt) is not a distinct stoichiometric chemical substance. While 3M has classified the general material as Xn; R22-36/38, the specific material used in this product falls above the molecular range considered by 3M when setting these classifications and therefore, these classifications do not apply.

### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

| Ingredient                                   | CAS Nbr      | EU Inventory     | % by Wt | Classification                                                                             |
|----------------------------------------------|--------------|------------------|---------|--------------------------------------------------------------------------------------------|
| Non-hazardous ingredients                    | Mixture      |                  | 60 - 90 |                                                                                            |
| Polymer                                      | Trade Secret |                  | 7 - 13  |                                                                                            |
| Salt                                         | Trade Secret |                  | 3 - 7   | Xn:R22; Xi:R36-38 (3M)<br>Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 (3M) |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine | 1760-24-3    | EINECS 217-164-6 | 1 - 5   | Xi:R41; R43 (Vendor)<br>Eye Dam. 1, H318; Skin Sens. 1, H317 (Vendor)                      |

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

#### Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

#### Skin contact

Wash with soap and water. If signs/symptoms develop, get medical attention.

#### Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

#### If swallowed

No need for first aid is anticipated.

### 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.

### 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.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Seal the container. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Clean up residue with detergent and water.

### 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

### 3M Scotchgard Vinyl Floor Protector

Avoid eye contact. For industrial or professional use only. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

#### 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

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

#### 8.2.2. Personal protective equipment (PPE)

##### Eye/face protection

The following eye protection(s) are recommended: Indirect vented goggles.

##### Skin/hand protection

Skin protection is not required.

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

Neoprene.

Nitrile rubber.

The following protective clothing material(s) are recommended: Neoprene boots.

Neoprene apron.

##### Respiratory protection

None required.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state** Liquid.

**Appearance/Odour** White; Slight ammonia odour.

**pH** 11.0

## 3M Scotchgard Vinyl Floor Protector

|                                    |                           |
|------------------------------------|---------------------------|
| <b>Boiling point/boiling range</b> | ± 100 °C                  |
| <b>Melting point</b>               | <i>Not applicable.</i>    |
| <b>Flammability (solid, gas)</b>   | Not classified            |
| <b>Explosive properties</b>        | Not classified            |
| <b>Oxidising properties</b>        | Not classified            |
| <b>Flash point</b>                 | No flash point            |
| <b>Flammable Limits(LEL)</b>       | <i>Not applicable.</i>    |
| <b>Flammable Limits(UEL)</b>       | <i>Not applicable.</i>    |
| <b>Vapour pressure</b>             | <i>No data available.</i> |
| <b>Relative density</b>            | ± 1 [Ref Std:WATER=1]     |
| <b>Water solubility</b>            | Complete                  |
| <b>Vapour density</b>              | <i>No data available.</i> |
| <b>Density</b>                     | ± 1 g/ml                  |

### 9.2. Other information

|                                         |                |
|-----------------------------------------|----------------|
| <b>Volatile organic compounds (VOC)</b> | < 1 % weight   |
| <b>Flash Point as text</b>              | No flash point |

## 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 polymerisation will not occur.

### 10.4 Conditions to avoid

Heat.

### 10.5 Incompatible materials

Strong acids.

### 10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Carbon dioxide.  | Not specified.   |
| Carbon monoxide. | 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

**3M Scotchgard Vinyl Floor Protector**

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:

**Eye contact**

Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin contact**

Moderate skin irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

**Inhalation**

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Ingestion**

May cause target organ effects after ingestion.

**Toxicological Data****Acute Toxicity**

| Name                                          | Route     | Species | Value                                              | UN GHS Classification          |
|-----------------------------------------------|-----------|---------|----------------------------------------------------|--------------------------------|
| Overall product                               | Ingestion |         | No test data available; calculated ATE >5000 mg/kg | Not classified (10.7% unknown) |
| Polymer                                       |           |         | No data available                                  |                                |
| Salt                                          | Ingestion | Rat     | LD50 757 mg/kg                                     | Category4                      |
| N-(3-(Trimethoxysilyl)propyl)ethylene diamine | Dermal    | Rabbit  | LD50 16480 mg/kg                                   | Not classified                 |
| N-(3-(Trimethoxysilyl)propyl)ethylene diamine | Ingestion | Rat     | LD50 2400 mg/kg                                    | Category5                      |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                                         | Species | Value                                                  | UN GHS Classification |
|----------------------------------------------|---------|--------------------------------------------------------|-----------------------|
| Overall product                              |         | No test data available; calculated to be mild irritant | Category 3            |
| Polymer                                      |         | No data available                                      |                       |
| Salt                                         |         | Irritant                                               | Category 2            |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine |         | No data available                                      |                       |

**Serious Eye Damage/Irritation**

| Name            | Species | Value                   | UN GHS Classification |
|-----------------|---------|-------------------------|-----------------------|
| Overall product |         | No test data available; | Category 2B           |

**3M Scotchgard Vinyl Floor Protector**

|                                              |  |                                    |             |
|----------------------------------------------|--|------------------------------------|-------------|
|                                              |  | calculated to be moderate irritant |             |
| Polymer                                      |  | No data available                  |             |
| Salt                                         |  | Severe irritant                    | Category 2A |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine |  | No data available                  |             |

**Skin Sensitisation**

| Name                                         | Species | Value                   | UN GHS Classification                  |
|----------------------------------------------|---------|-------------------------|----------------------------------------|
| Overall product                              |         | No test data available. | Not classified based on component data |
| Polymer                                      |         | No data available       |                                        |
| Salt                                         |         | No data available       |                                        |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine |         | No data available       |                                        |

**Respiratory Sensitisation**

| Name                                         | Species | Value                   | UN GHS Classification                  |
|----------------------------------------------|---------|-------------------------|----------------------------------------|
| Overall product                              |         | No test data available. | Not classified based on component data |
| Polymer                                      |         | No data available       |                                        |
| Salt                                         |         | No data available       |                                        |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine |         | No data available       |                                        |

**Germ Cell Mutagenicity**

| Name                                         | Route    | Value                                                                        | UN GHS Classification                                           |
|----------------------------------------------|----------|------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Overall product                              |          | No data available                                                            | Overall Germ Cell Mutagenicity classification<br>Not classified |
| Overall product                              |          | No test data available.                                                      |                                                                 |
| Polymer                                      |          | No data available                                                            |                                                                 |
| Salt                                         | In Vitro | Some positive data exist, but the data are not sufficient for classification | Not classified                                                  |
| Salt                                         | In vivo  | Some positive data exist, but the data are not sufficient for classification | Not classified                                                  |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine |          | No data available                                                            |                                                                 |

**Carcinogenicity**

| Name                                          | Route | Species | Value                   | UN GHS Classification                  |
|-----------------------------------------------|-------|---------|-------------------------|----------------------------------------|
| Overall product                               |       |         | No test data available. | Not classified based on component data |
| Polymer                                       |       |         | No data available       |                                        |
| Salt                                          |       |         | No data available       |                                        |
| N-(3-(Trimethoxysilyl)propyl)ethylene diamine |       |         | No data available       |                                        |

**3M Scotchgard Vinyl Floor Protector****Reproductive Toxicity****Reproductive and/or Developmental Effects**

| Name                                         | Route     | Value                                                                                                   | Species | Test result  | Exposure Duration | UN GHS Classification                  |
|----------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------|---------|--------------|-------------------|----------------------------------------|
| Overall product                              |           | No test data available.                                                                                 |         |              |                   | Not classified based on component data |
| Polymer                                      |           | No data available                                                                                       |         |              |                   |                                        |
| Salt                                         | Ingestion | Some positive reproductive/developmental data exist, but the data are not sufficient for classification |         | NOAEL<br>N/A |                   |                                        |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine |           | No data available                                                                                       |         |              |                   |                                        |

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

| Name                                         | Route      | Target Organ(s)        | Value                                                                        | Species | Test result            | Exposure Duration | UN GHS Classification |
|----------------------------------------------|------------|------------------------|------------------------------------------------------------------------------|---------|------------------------|-------------------|-----------------------|
| Polymer                                      |            |                        | No data available                                                            |         |                        |                   |                       |
| Salt                                         | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification |         | Irritation<br>Positive |                   | Not classified        |
| Salt                                         | Ingestion  | liver                  | Some positive data exist, but the data are not sufficient for classification |         | NOEL<br>N/A            |                   | Not classified        |
| Salt                                         | Ingestion  | kidney and/or bladder  | Some positive data exist, but the data are not sufficient for classification |         | NOAEL<br>N/A           |                   | Not classified        |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine |            |                        | No data available                                                            |         |                        |                   |                       |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration | UN GHS Classification |
|------|-------|-----------------|-------|---------|-------------|-------------------|-----------------------|
|------|-------|-----------------|-------|---------|-------------|-------------------|-----------------------|



**3M Scotchgard Vinyl Floor Protector**

|                                              |            |                                        |                                                                              |  |                         |  |                                        |
|----------------------------------------------|------------|----------------------------------------|------------------------------------------------------------------------------|--|-------------------------|--|----------------------------------------|
| Overall product                              |            |                                        | No test data available.                                                      |  |                         |  | Not classified based on component data |
| Polymer                                      |            |                                        | No data available                                                            |  |                         |  |                                        |
| Salt                                         | Inhalation | respiratory system                     | All data are negative                                                        |  | NOAEL<br>0.0019<br>mg/l |  | Not classified                         |
| Salt                                         | Ingestion  | nervous system   kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification |  | NOAEL<br>N/A            |  | Not classified                         |
| Salt                                         | Ingestion  | immune system                          | Some positive data exist, but the data are not sufficient for classification |  | NOEL<br>N/A             |  | Not classified                         |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine |            |                                        | No data available                                                            |  |                         |  |                                        |

**Aspiration Hazard**

| Name                                         | Value                    | UN GHS Classification                                   |
|----------------------------------------------|--------------------------|---------------------------------------------------------|
| Overall product                              | No test data available.  | Not classified based on component and/or viscosity data |
| Polymer                                      | Not an aspiration hazard | Not classified                                          |
| Salt                                         | Not an aspiration hazard | Not classified                                          |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine | Not an aspiration hazard | Not classified                                          |

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:**

GHS Acute 3: Harmful to aquatic life.

**Chronic aquatic hazard:**

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

## 3M Scotchgard Vinyl Floor Protector

| Material                                      | CAS Nbr   | Organism       | Type       | Exposure | Test endpoint | Test result |
|-----------------------------------------------|-----------|----------------|------------|----------|---------------|-------------|
| N-(3-(Trimethoxysilyl)propyl)ethyl enediamine | 1760-24-3 | Fathead minnow | Laboratory | 96 hours | LC50          | 168 mg/l    |
| N-(3-(Trimethoxysilyl)propyl)ethyl enediamine | 1760-24-3 | Green algae    | Laboratory | 72 hours | EC50          | 8.8 mg/l    |
| N-(3-(Trimethoxysilyl)propyl)ethyl enediamine | 1760-24-3 | Water flea     | Laboratory | 48 hours | EC50          | 37 mg/l     |
| N-(3-(Trimethoxysilyl)propyl)ethyl enediamine | 1760-24-3 | Green algae    | Laboratory | 96 hours | NOEC          | 1.6 mg/l    |

### 12.2. Persistence and degradability

| Material                                      | CAS Nbr   | Test type      | Duration | Study Type                           | Test result | Protocol      |
|-----------------------------------------------|-----------|----------------|----------|--------------------------------------|-------------|---------------|
| N-(3-(Trimethoxysilyl)propyl)ethyl enediamine | 1760-24-3 | Biodegradation | 28 days  | Dissolv.<br>Organic<br>Carbon Deplet | 39 % weight | Other methods |

### 12.3 : Bioaccumulative potential

No test data available.

### 12.4. Mobility in soil

Please contact 3M for more details.

### 12.5. Results of the PBT and vPvB assessment

No information available at this time, contact 3M 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

## 3M Scotchgard Vinyl Floor Protector

As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

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)

04 02 15 Wastes from finishing other than those mentioned in 04 02 14

## SECTION 14: Transportation information

FN-6000-0109-6, FN-6000-0110-4

Not hazardous for transportation

## SECTION 15: Regulatory information

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

#### Global inventory status

Contact 3M for more 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 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

### List of relevant H statements

|      |                                      |
|------|--------------------------------------|
| H302 | Harmful if swallowed.                |
| H315 | Causes skin irritation.              |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage.           |
| H319 | Causes serious eye irritation.       |

### List of relevant R-phrases

|     |                                 |
|-----|---------------------------------|
| R22 | Harmful if swallowed.           |
| R36 | Irritating to eyes.             |
| R38 | Irritating to skin.             |
| R41 | Risk of serious damage to eyes. |

**3M Scotchgard Vinyl Floor Protector**

R43 May cause sensitisation by skin contact.

**Revision information:**

No revision information is available.

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**3M United Kingdom MSDSs are available at [www.3M.com/uk](http://www.3M.com/uk)**