# Safety Data Sheet



This product is defined as an article under REACH and does not require a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006. Since an SDS is not required, this document does not contain all of the information that is required for substance and mixture SDSs under REACH.

| | | | |
|---|---|---|---|
| **Document group:** | 11-3095-4 | **Version number:** | 19.02 |
| **Revision date:** | 21/01/2020 | **Supersedes date:** | 21/10/2019 |

**Transportation version number:** 7.00 (15/08/2015)

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 Lead Foil Tape 420

**Product Identification Numbers**

| | | | | |
|---|---|---|---|---|
| 70-0063-8828-7 | 70-0063-8830-3 | 70-0063-8831-1 | 70-0063-9090-3 | 70-0063-9094-5 |
| XT-0615-9104-3 | | | | |
| 7000001315 | 7000049101 | 7000001314 | 7000049135 | 7000049132 |
| 7000049132 | | | | |

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

**Identified uses**

Industrial use.

### 1.3. Details of the supplier of the safety data sheet

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
**Telephone:** +44 (0)1344 858 000
**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

**CLP REGULATION (EC) No 1272/2008**

**CLASSIFICATION:**

This material is exempt from hazard classification according to Regulation (EC) No. 1272/2008, as amended, on

classification, labelling, and packaging of substances and mixtures.

**2.2. Label elements**
**CLP REGULATION (EC) No 1272/2008**
Not applicable

**2.3. Other hazards**

Dermal contact with 3M's lead foil tapes may result in exposure to lead. Observe precautions included in Section 8 of the SDS when using this material.

## SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | EC No. | REACH Registration No. | % by Wt | Classification |
|---|---|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | 231-100-4 | | 90 - 99 | Repr. 1A, H360FD; Lact., H362<br>STOT SE 2, H371; STOT RE 2, H373; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=10 |
| Natural rubber. | 9003-31-0 | | | 1 - 5 | Substance not classified as hazardous |
| TIN | 7440-31-5 | 231-141-8 | | < 2 | Substance not classified as hazardous |
| rosin | 8050-09-7 | 232-475-7 | | < 2 | Skin Sens. 1B, H317 |

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

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

**Skin contact**
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. 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.

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Carbon monoxide | During combustion. |
| Carbon dioxide. | During combustion. |
| Oxides of Lead | During combustion. |

**5.3. Advice 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. 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. 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**
For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/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. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators…) as required. After handling, wash hands with a soap that is specifically formulated to remove lead from the surface of the skin.

**7.2. Conditions for safe storage including any incompatibilities**
Store away from oxidising agents.

**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**
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 | CAS Nbr | Agency | Limit type | Additional comments |
|---|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | UK HSC | TWA(as Pb):0.15 mg/m3 | |
| rosin | 8050-09-7 | UK HSC | TWA(as fume):0.05 mg/m³;STEL(as fume):0.15 mg/m³ | Respiratory Sensitizer |

UK HSC : UK Health and Safety Commission
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

**Biological limit values**
No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

**Recommended monitoring procedures:**Information on recommended monitoring procedures can be obtained from UK HSC

**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**

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.

*Applicable Norms/Standards*
Use eye protection conforming to EN 166

**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:

| Material | Thickness (mm) | Breakthrough Time |
|---|---|---|
| Nitrile rubber. | No data available | No data available |

*Applicable Norms/Standards*
Use gloves tested to EN 374

**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 organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

*Applicable Norms/Standards*
Use a respirator conforming to EN 140 or EN 136: filter types A & P

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Appearance** | |
| **Physical state** | Solid. |
| **Colour** | Silver |
| **Specific Physical Form:** | Tape |
| **Odor** | Slight Rubber |
| **Odour threshold** | *Not applicable.* |
| **pH** | *Not applicable.* |
| **Boiling point/boiling range** | *Not applicable.* |
| **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** | *Not applicable.* |
| **Flammable Limits(LEL)** | *Not applicable.* |
| **Flammable Limits(UEL)** | *Not applicable.* |
| **Vapour pressure** | *Not applicable.* |
| **Relative density** | *Not applicable.* |
| **Water solubility** | *Not applicable.* |
| **Solubility- non-water** | *Not applicable.* |
| **Partition coefficient: n-octanol/water** | *Not applicable.* |
| **Evaporation rate** | *Not applicable.* |
| **Vapour density** | *Not applicable.* |
| **Decomposition temperature** | *Not applicable.* |
| **Viscosity** | *Not applicable.* |

**9.2. Other information**

| | |
|---|---|
| **EU Volatile Organic Compounds** | *No data available.* |
| **Molecular weight** | *Not applicable.* |
| **Percent volatile** | *Not applicable.* |

## 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**
None known.

**10.5 Incompatible materials**
Strong oxidising agents.

**10.6 Hazardous decomposition products**

| Substance | Condition |
|---|---|
| None known. | |

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

**The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.**

**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. Contact with the skin during product use is not expected to result in significant irritation. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

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

**Ingestion**
Physical Blockage: Signs/symptoms may include cramping, abdominal pain, and constipation. Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause additional health effects (see below).

**Additional Health Effects:**
May accumulate in the body.

**Single exposure may cause target organ effects:**
Neurological effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and changes in blood pressure and heart rate.

**Prolonged or repeated exposure may cause target organ effects:**
Ocular effects: Signs/symptoms may include blurred or significantly impaired vision. Hard tissue effects: Signs/symptoms may include colour changes in the teeth and nails, changes in development of bone, teeth or nails, weakening of the bones,

and hair loss. Hematopoietic effects: Signs/symptoms may include generalised weakness, fatigue and alterations in numbers of circulating blood cells. Neurological effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and changes in blood pressure and heart rate. Kidney/Bladder effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

**Reproductive/Developmental Toxicity:**
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**Carcinogenicity:**
Contains a chemical or chemicals which can cause 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 ATE2,000 - 5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| lead powder; [particle diameter < 1 mm] | Dermal | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Natural rubber. | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Natural rubber. | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| TIN | Dermal | Rat | LD50 > 2,000 mg/kg |
| TIN | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 4.75 mg/l |
| TIN | Ingestion | Rat | LD50 > 2,000 mg/kg |
| rosin | Dermal | Rabbit | LD50 > 2,500 mg/kg |
| rosin | Ingestion | Rat | LD50 7,600 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| lead powder; [particle diameter < 1 mm] | similar compounds | No significant irritation |
| Natural rubber. | Professional judgement | No significant irritation |
| TIN | Rabbit | No significant irritation |
| rosin | Rabbit | No significant irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| lead powder; [particle diameter < 1 mm] | similar compounds | Mild irritant |
| Natural rubber. | Professional judgement | No significant irritation |
| TIN | Rabbit | No significant irritation |
| rosin | Rabbit | Mild irritant |

**Skin Sensitisation**

| Name | Species | Value |
|---|---|---|

| | | |
|---|---|---|
| Natural rubber. | Human | Not classified |
| rosin | Guinea pig | Sensitising |

### Respiratory Sensitisation

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

### Germ Cell Mutagenicity

| Name | Route | Value |
|---|---|---|
| lead powder; [particle diameter < 1 mm] | In vivo | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name | Route | Species | Value |
|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | Not specified. | official classification | Carcinogenic. |

### Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | Not specified. | Toxic to female reproduction | Human | LOAEL 10 ug/dl blood | |
| lead powder; [particle diameter < 1 mm] | Not specified. | Toxic to male reproduction | Human | LOAEL 37 ug/dl blood | |
| lead powder; [particle diameter < 1 mm] | Not specified. | Toxic to development | Human | NOAEL Not available | |

### Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | Ingestion | nervous system | May cause damage to organs | Human | LOAEL 90 ug/dl blood | poisoning and/or abuse |
| lead powder; [particle diameter < 1 mm] | Ingestion | heart | Not classified | Human | NOAEL Not available | poisoning and/or abuse |

### Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | Inhalation | kidney and/or bladder | May cause damage to organs though prolonged or repeated exposure | Human | LOAEL 60 ug/dl blood | occupational exposure |
| lead powder; [particle diameter < 1 mm] | Inhalation | hematopoietic system | May cause damage to organs though prolonged or repeated exposure | Human | LOAEL 50 ug/dl blood | occupational exposure |
| lead powder; [particle diameter < 1 mm] | Inhalation | nervous system | May cause damage to organs though prolonged or repeated exposure | Human | LOAEL 40 ug/dl blood | occupational exposure |
| lead powder; [particle diameter < 1 mm] | Inhalation | gastrointestinal tract | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| lead powder; [particle diameter < 1 mm] | Inhalation | heart \| endocrine system \| immune system \| vascular system | Not classified | Human | NOAEL Not available | occupational exposure |

| | | | | | | |
|---|---|---|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | Ingestion | bone, teeth, nails, and/or hair | May cause damage to organs though prolonged or repeated exposure | Rat | LOAEL 20 ug/dl blood | 3 months |
| lead powder; [particle diameter < 1 mm] | Ingestion | eyes | May cause damage to organs though prolonged or repeated exposure | Rat | LOAEL 0.5 mg/kg/day | 20 days |
| lead powder; [particle diameter < 1 mm] | Ingestion | hematopoietic system \| kidney and/or bladder | May cause damage to organs though prolonged or repeated exposure | Human | LOAEL 40 ug/dl blood | environmental exposure |
| lead powder; [particle diameter < 1 mm] | Ingestion | nervous system | May cause damage to organs though prolonged or repeated exposure | Human | LOAEL 11 ug/dl blood | environmental exposure |
| lead powder; [particle diameter < 1 mm] | Ingestion | auditory system \| heart \| endocrine system \| vascular system | Not classified | Human | NOAEL Not available | environmental exposure |

**Aspiration Hazard**
For the component/components, either no data is currently available or the data is 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

**The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.**

**12.1. Toxicity**

No product test data available.

| Material | CAS # | Organism | Type | Exposure | Test endpoint | Test result |
|---|---|---|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | Green Algae | Estimated | 72 hours | EC50 | 0.0205 mg/l |
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | Water flea | Estimated | 48 hours | LC50 | 0.026 mg/l |
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | Fathead minnow | Experimental | 96 hours | LC50 | 0.0408 mg/l |
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | | Estimated | 30 days | Effect Concentration 10% | 0.0017 mg/l |
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | Green Algae | Estimated | 72 hours | Effect Concentration 10% | 0.0061 mg/l |
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | Rainbow trout | Experimental | 578 days | NOEC | 0.003 mg/l |
| Natural rubber. | 9003-31-0 | | Data not available or insufficient for classification | | | |
| rosin | 8050-09-7 | Green Algae | Experimental | 72 hours | Effect Level 50% | >100 mg/l |
| rosin | 8050-09-7 | Water flea | Experimental | 48 hours | Effect Level 50% | 911 mg/l |
| rosin | 8050-09-7 | Zebra Fish | Experimental | 96 hours | Lethal Level 50% | >1 mg/l |
| rosin | 8050-09-7 | Green Algae | Experimental | 72 hours | No obs Effect Level | >100 mg/l |
| TIN | 7440-31-5 | Fathead minnow | Estimated | 96 hours | LC50 | >100 mg/l |
| TIN | 7440-31-5 | Green algae | Estimated | 72 hours | EC50 | >100 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| TIN | 7440-31-5 | Green algae | Estimated | 72 hours | NOEC | 100 mg/l |

**12.2. Persistence and degradability**

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | Data not availbl-insufficient | | | N/A | |
| Natural rubber. | 9003-31-0 | Data not availbl-insufficient | | | N/A | |
| rosin | 8050-09-7 | Experimental Biodegradation | 28 days | CO2 evolution | 64 % weight | OECD 301B - Modified sturm or CO2 |
| TIN | 7440-31-5 | Data not availbl-insufficient | | | N/A | |

**12.3 : Bioaccumulative potential**

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | Experimental BCF - Other | days | Bioaccumulation factor | 1322 | Other methods |
| Natural rubber. | 9003-31-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| rosin | 8050-09-7 | Estimated BCF - Rainbow Tr | 20 days | Bioaccumulation factor | 129 | Other methods |
| TIN | 7440-31-5 | 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**

Not applicable

**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.

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)**
160303* Inorganic wastes containing dangerous substances

## SECTION 14: Transportation information

70-0063-8828-7, 70-0063-8830-3, 70-0063-8831-1, 70-0063-9090-3, 70-0063-9094-5

Not hazardous for transportation

XT-0615-9104-3

## SECTION 15: Regulatory information

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

**Carcinogenicity**

| Ingredient | CAS Nbr | Classification | Regulation |
|---|---|---|---|
| lead powder; [particle diameter < 1 mm] | 7439-92-1 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

**Restrictions on the manufacture, placing on the market and use:**
The following substance(s) contained in this product is/are subject through Annex XVII of REACH regulation to restrictions on the manufacture, placing on the market and use when present in certain dangerous substances, mixtures and articles. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

| Ingredient | CAS Nbr |
|---|---|
| lead powder; [particle diameter < 1 mm] | 7439-92-1 |

Restriction status: listed in REACH Annex XVII
Restricted uses: See Annex XVII to Regulation (EC) No 1907/2006 for Conditions of Restriction

**Authorization status under REACH:**
The following substance/s contained in this product might be or is/are subject to authorization in accordance with REACH:

| Ingredient | CAS Nbr |
|---|---|
| lead powder; [particle diameter < 1 mm] | 7439-92-1 |

Authorization status: listed in the Candidate List of Substances of Very High Concern for Authorization

**15.2. Chemical Safety Assessment**
Not applicable.

## SECTION 16: Other information

**List of relevant H statements**

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |
| H360FD | May damage fertility. May damage the unborn child. |
| H362 | May cause harm to breast-fed children. |
| H371 | May cause damage to organs. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

**Revision information:**
Section 3: Composition/ Information of ingredients table information was modified.
Section 5: Hazardous combustion products table information was modified.
Section 8: Occupational exposure limit table information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity Table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Health Effects - Ingestion information information was modified.
Section 11: Reproductive Toxicity Table information was modified.

Section 11: Respiratory Sensitization Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 11: Target Organs - Single Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12:Bioccumulative potential information information was modified.
Section 15: Authorization status under REACH: SVHC Authorization ingredient information information was modified.
Section 15: Carcinogenicity information information was modified.
Section 15: Restrictions on manufacture ingredients information information was modified.
Sectio 16: UK disclaimer information 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. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

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