# Safety Data Sheet

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| | | | |
|---|---|---|---|
| **Document group:** | 07-9990-8 | **Version number:** | 6.01 |
| **Revision date:** | 10/09/2025 | **Supersedes date:** | 08/06/2022 |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

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

**1.1. Product identifier**
3M LUB-P

**Product Identification Numbers**
FE-5100-4990-4 FE-5100-4991-2

7100047869 7000076621

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

**Identified uses**
Cable pulling lubricant

**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:** ner-productstewardship@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**
**The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain**

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

**CLASSIFICATION:**

This material is not classified as hazardous according to Regulation (EC) No. 1272/2008, as amended for Great Britain, on classification, labelling, and packaging of substances and mixtures.

**2.2. Label elements**
**The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain**
Not applicable

| Ingredient | CAS Nbr | EC No. | % by Wt |
|---|---|---|---|
| Water | 7732-18-5 | 231-791-2 | 90 - 99 |
| Tall-Oil Fatty Acids | 61790-12-3 | 263-107-3 | 2 - 5 |
| Propane-1,2-diol | 57-55-6 | 200-338-0 | < 2 |
| 2-Propenoic acid, homopolymer | 9003-01-4 | | < 1 |

**SUPPLEMENTAL INFORMATION:**

**Supplemental Hazard Statements:**
EUH210 Safety data sheet available on request.

**2.3. Other hazards**

None known.
This material does not contain any substances that are assessed to be a PBT or vPvB

## SECTION 3: Composition/information on ingredients

**3.1. Substances**
Not applicable

**3.2. Mixtures**

| **Ingredient** | **Identifier(s)** | **%** | **Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB** |
|---|---|---|---|
| Water | (CAS-No.) 7732-18-5<br>(EC-No.) 231-791-2 | 90 - 99 | Substance not classified as hazardous |
| Tall-Oil Fatty Acids | (CAS-No.) 61790-12-3<br>(EC-No.) 263-107-3 | 2 - 5 | Substance not classified as hazardous |
| Propane-1,2-diol | (CAS-No.) 57-55-6<br>(EC-No.) 200-338-0 | < 2 | Substance with a national occupational exposure limit |
| 2-Propenoic acid, homopolymer | (CAS-No.) 9003-01-4 | < 1 | Aquatic Chronic 3, H412 |

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**
No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention.

**Skin contact**
If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye contact**
If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

**If swallowed**
Do not induce vomiting. Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**
No critical symptoms or effects. 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**
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.

**5.3. Advice for fire-fighters**
Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Observe precautions from other sections.

**6.2. Environmental precautions**
Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

**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. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible.

Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. 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. Avoid release to the environment.

**7.2. Conditions for safe storage including any incompatibilities**
No special storage requirements.

**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 |
|---|---|---|---|---|
| Propane-1,2-diol | 57-55-6 | UK HSE | TWA(as total vapour and particulates):474 mg/m3(150 ppm);TWA(as particulate):10 mg/m3 | |

UK HSE : 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.

**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**

Eye protection not required.

**Skin/hand protection**
No chemical protective gloves are required.

**Respiratory protection**

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

# SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid. |
| **Specific Physical Form:** | Gel |
| **Colour** | Transparent Cream |
| **Odor** | Specific Odor |
| **Odour threshold** | *No data available.* |
| **Melting point/freezing point** | *No data available.* |
| **Boiling point/boiling range** | 100 ºC |
| **Flammability** | Not applicable. |
| **Flammable Limits(LEL)** | *No data available.* |
| **Flammable Limits(UEL)** | *No data available.* |
| **Flash point** | *Not applicable.* |
| **Autoignition temperature** | *No data available.* |
| **Decomposition temperature** | *No data available.* |
| **pH** | 6.5 - 8.5 Units not available or not applicable. |
| **Kinematic Viscosity** | 32,178 mm²/sec |
| **Water solubility** | Complete |
| **Solubility- non-water** | *No data available.* |
| **Partition coefficient: n-octanol/water** | *No data available.* |
| **Vapour pressure** | 2,399.8 Pa |
| **Relative density** | 1.01 [*Ref Std:*WATER=1] |
| **Relative Vapour Density** | 0.9 - 1.1 [*Ref Std:*AIR=1] |
| **Particle Characteristics** | *Not applicable.* |

**9.2. Other information**

**9.2.2 Other safety characteristics**

| | |
|---|---|
| **EU Volatile Organic Compounds** | *No data available.* |
| **Evaporation rate** | *No data available.* |
| **Percent volatile** | >=95 % |

# 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**

| Substance | Condition |
|---|---|
| Carbon monoxide | Not specified. |
| Carbon dioxide. | Not specified. |

# SECTION 11: Toxicological information

**The information below may not agree with the 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 hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.**

**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 known health effects.

**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**
No known health effects.

**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 | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Propane-1,2-diol | Dermal | Rabbit | LD50 20,800 mg/kg |
| Propane-1,2-diol | Ingestion | Rat | LD50 22,000 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Propane-1,2-diol | Rabbit | No significant irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Propane-1,2-diol | Rabbit | No significant irritation |

**Skin Sensitisation**

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

| | | |
|---|---|---|
| Propane-1,2-diol | Human | Not classified |

**Respiratory Sensitisation**
For the component/components, either no data is currently available or the data is not sufficient for classification.

**Germ Cell Mutagenicity**

| Name | Route | Value |
|---|---|---|
| Propane-1,2-diol | In Vitro | Not mutagenic |
| Propane-1,2-diol | In vivo | Not mutagenic |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Propane-1,2-diol | Dermal | Mouse | Not carcinogenic |
| Propane-1,2-diol | Ingestion | Multiple animal species | Not carcinogenic |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| Propane-1,2-diol | Ingestion | Not classified for female reproduction | Mouse | NOAEL 10,100 mg/kg/day | 2 generation |
| Propane-1,2-diol | Ingestion | Not classified for male reproduction | Mouse | NOAEL 10,100 mg/kg/day | 2 generation |
| Propane-1,2-diol | Ingestion | Not classified for development | Multiple animal species | NOAEL 1,230 mg/kg/day | during organogenesis |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Propane-1,2-diol | Ingestion | central nervous system depression | Not classified | Human and animal | NOAEL Not available | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Propane-1,2-diol | Ingestion | hematopoietic system | Not classified | Multiple animal species | NOAEL 1,370 mg/kg/day | 117 days |
| Propane-1,2-diol | Ingestion | kidney and/or bladder | Not classified | Dog | NOAEL 5,000 mg/kg/day | 104 weeks |

**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.**

**11.2. Information on other hazards**

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

# SECTION 12: Ecological information

**The information below may not agree with the 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 |
|---|---|---|---|---|---|---|
| Tall-Oil Fatty Acids | 61790-12-3 | Green algae | Endpoint not reached | 72 hours | EL50 | >100 mg/l |
| Tall-Oil Fatty Acids | 61790-12-3 | Fathead minnow | Experimental | 96 hours | No tox obs at lmt of water sol | >100 mg/l |
| Tall-Oil Fatty Acids | 61790-12-3 | Water flea | Experimental | 48 hours | No tox obs at lmt of water sol | >100 mg/l |
| Tall-Oil Fatty Acids | 61790-12-3 | Green algae | Endpoint not reached | 72 hours | NOEL | 100 mg/l |
| Propane-1,2-diol | 57-55-6 | Amphipod | Experimental | 10 days | LC50 | 6,983 mg/kg (Dry Weight) |
| Propane-1,2-diol | 57-55-6 | Green algae | Experimental | 96 hours | EC50 | 19,000 mg/l |
| Propane-1,2-diol | 57-55-6 | Mysid Shrimp | Experimental | 96 hours | LC50 | 18,800 mg/l |
| Propane-1,2-diol | 57-55-6 | Rainbow trout | Experimental | 96 hours | LC50 | 40,613 mg/l |
| Propane-1,2-diol | 57-55-6 | Water flea | Experimental | 48 hours | EC50 | 18,340 mg/l |
| Propane-1,2-diol | 57-55-6 | Green algae | Experimental | 96 hours | NOEC | 15,000 mg/l |
| Propane-1,2-diol | 57-55-6 | Water flea | Experimental | 7 days | NOEC | 13,020 mg/l |
| Propane-1,2-diol | 57-55-6 | Bacteria | Experimental | 18 hours | NOEC | >20,000 mg/l |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Green algae | Analogous Compound | 72 hours | EC50 | 40 mg/l |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Water flea | Analogous Compound | 48 hours | EC50 | >200 mg/l |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Zebra Fish | Analogous Compound | 96 hours | LC50 | >200 mg/l |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Fathead minnow | Analogous Compound | 32 days | NOEC | 56 mg/l |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Green algae | Analogous Compound | 96 hours | NOEC | 32.8 mg/l |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Water flea | Analogous Compound | 21 days | NOEC | 5.6 mg/l |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Activated sludge | Analogous Compound | N/A | EC50 | >100 mg/l |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Redworm | Analogous Compound | 14 days | NOEC | 1,000 mg/kg (Dry Weight) |

### 12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Tall-Oil Fatty Acids | 61790-12-3 | Experimental Biodegradation | 28 days | BOD | 84 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Propane-1,2-diol | 57-55-6 | Experimental Biodegradation | 28 days | BOD | 90 %BOD/ThOD | OECD 301C - MITI test (I) |
| Propane-1,2-diol | 57-55-6 | Experimental Biodegradation | 64 days | Dissolv. Organic Carbon Deplet | 95.8 %removal of DOC | OECD 306(Misc)-Biodegrad. Seaw |
| 2-Propenoic acid, | 9003-01-4 | Analogous | 90 days | CO2 evolution | 43 %CO2 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| homopolymer | | Compound Biodegradation | | | evolution/THCO2 evolution | |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Analogous Compound Aquatic Inherent Biodegrad. | 7 days | Dissolv. Organic Carbon Deplet | ≥21 %removal of DOC | OECD 302A - Modified SCAS Test |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Analogous Compound Biodegradation | | Dissolv. Organic Carbon Deplet | 9 %removal of DOC | OECD 303A - Simulated Aerobic |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Estimated Biodegradation | | Half-life (t 1/2) | 108 days (t 1/2) | |
| 2-Propenoic acid, homopolymer | 9003-01-4 | Estimated Biodegradation | | Half-life (t 1/2) | 907 days (t 1/2) | |

**12.3 : Bioaccumulative potential**

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Tall-Oil Fatty Acids | 61790-12-3 | Experimental Bioconcentration | | Log Kow | 7.4 | OECD 117 log Kow HPLC method |
| Propane-1,2-diol | 57-55-6 | Experimental Bioconcentration | | Log Kow | -1.07 | EC A.8 Partition Coefficient |

**12.4. Mobility in soil**

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|---|---|---|---|---|---|
| Propane-1,2-diol | 57-55-6 | Modeled Mobility in Soil | Koc | 2.3 l/kg | Episuite™ |

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

This material does not contain any substances that are assessed to be a PBT or vPvB

**12.6. Other adverse effects**

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. Dispose of waste product in a permitted industrial waste 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.

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)**
080416 Aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15

## SECTION 14: Transportation information

Not hazardous for transportation.

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|---|---|---|---|
| **14.1 UN number** | No data available. | No data available. | No data available. |
| **14.2 UN proper shipping name** | No data available. | No data available. | No data available. |
| **14.3 Transport hazard class(es)** | No data available. | No data available. | No data available. |
| **14.4 Packing group** | No data available. | No data available. | No data available. |
| **14.5 Environmental hazards** | No data available. | No data available. | No data available. |
| **14.6 Special precautions for user** | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| **14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code** | No data available. | No data available. | No data available. |
| **Control Temperature** | No data available. | No data available. | No data available. |
| **Emergency Temperature** | No data available. | No data available. | No data available. |
| **ADR Classification Code** | No data available. | No data available. | No data available. |
| **IMDG Segregation Code** | No data available. | No data available. | No data available. |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

## SECTION 15: Regulatory information

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

**Carcinogenicity**

| Ingredient | CAS Nbr | Classification | Regulation |
|---|---|---|---|
| 2-Propenoic acid, homopolymer | 9003-01-4 | Gr. 3: Not classifiable | International Agency for Research on Cancer |

**Global inventory status**
Contact 3M for more information.

**COMAH Regulation, SI 2015/483**

Seveso hazard categories, Annex 1, Part 1
None

Seveso named dangerous substances, Annex 1, Part 2
None

**Regulation (EU) No 649/2012, as amended for GB**
No chemicals listed

**15.2. Chemical Safety Assessment**
A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended for GB.

## SECTION 16: Other information

**List of relevant H statements**

| | |
|---|---|
| H412 | Harmful to aquatic life with long lasting effects. |

**Revision information:**
GB Section 02: CLP Ingredient table information was added.
GB Section 02: Other hazards phrase information was added.
GB Section 04: Information on toxicological effects information was added.
GB Section 12: Classification Warning information was added.
GB Section 15: Carcinogenicity information information was added.
GB Section 15: Chemical Safety Assessment information was added.
GBSDS Section 14 Transport in bulk - Main Heading information was added.
GBSDS Section 14 UN Number information was added.
Section 1: E-mail address information was modified.
Section 02: CLP Classification Statements information was deleted.
Section 02: GB Classification Statements information was added.
Section 2: Other hazards phrase information was deleted.
Section 3: Composition/ Information of ingredients table information was added.
Section 3: Composition/ Information of ingredients table information was deleted.
Section 4: First aid for eye contact information information was modified.
Section 4: First aid for ingestion (swallowing) information information was modified.
Section 4: First aid for inhalation information information was modified.
Section 4: First aid for skin contact information information was modified.
Section 04: Information on toxicological effects information was deleted.
Section 6: Accidental release personal information information was modified.
Section 8: Occupational exposure limit table information was modified.
OEL Reg Agency Desc information was modified.
Section 9: Flammability (solid, gas) information information was deleted.
Section 09: Flammability information information was added.
Section 09: Particle Characteristics N/A information was added.
Section 9: Vapour density value information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Classification disclaimer information was deleted.
Section 11: GB Classification disclaimer information was added.
Section 11: GB No endocrine disruptor information available warning information was added.
Section 11: No endocrine disruptor information available warning information was deleted.
Section 12: 12.6. Endocrine Disrupting Properties information was deleted.
Section 12: 12.6. Other adverse effects information was added.
Section 12: 12.7. Other adverse effects information was deleted.
Section 12: Classification Warning information was deleted.

Section 12: Component ecotoxicity information information was modified.
Prints No Data if Adverse effects information is not present information was deleted.
Section 12: No endocrine disruptor information available warning information was added.
Section 12: No endocrine disruptor information available warning information was deleted.
Section 12: Persistence and Degradability information information was modified.
Section 12:Bioccumulative potential information information was modified.
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.
Section 14 UN Number information was deleted.
Section 15: Carcinogenicity information information was deleted.
Section 15: Chemical Safety Assessment information was deleted.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was added.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was deleted.
Section 16: Web address information was added.
Section 16: Web address 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 SDSs for Great Britain are available at www.3M.com/uk**
For Northern Ireland documents, please contact your 3M representative to obtain a copy.