

Safety Data Sheet

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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 1617 Zinc Spray

Product Identification Numbers

DE-9999-5337-0

7100047868

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

Identified uses

A spray used as a protective film on primer on metal parts

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

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.

The aspiration hazard classification is not required because the product is an aerosol.

CLASSIFICATION:

Aerosol, Category 1 - Aerosol 1; H222, H229

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315

Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319

Skin Sensitization, Category 1 - Skin Sens. 1; H317 Carcinogenicity, Category 1B - Carc. 1B; H350

Specific Target Organ Toxicity-Single Exposure, Category 2 - STOT SE 2; H371
Specific Target Organ Toxicity-Repeated Exposure, Category 2 - STOT RE 2; H373
Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H336
Hazardous to the Aquatic Environment (Acute), Category 1 - Aquatic Acute 1; H400

Hazardous to the Aquatic Environment (Chronic), Category 1 - Aquatic Chronic 1; H410

For full text of H phrases, see Section 16.

2.2. Label elements

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

SIGNAL WORD

DANGER.

Symbols

GHS02 (Flame) |GHS07 (Exclamation mark) |GHS08 (Health Hazard) |GHS09 (Environment) |

Pictograms









| Ingredient | CAS Nbr | EC No. | % by Wt |
|------------------|---------|-----------|---------|
| acetone | 67-64-1 | 200-662-2 | 10 - 30 |
| 2-butanone oxime | 96-29-7 | 202-496-6 | < 2 |

HAZARD STATEMENTS:

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H350 May cause cancer.

H336 May cause drowsiness or dizziness.

H371 May cause damage to organs: respiratory system.

H373 May cause damage to organs through prolonged or repeated exposure: nervous system | sensory

organs.

H410 Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P201 Obtain special instructions before use.

3M 1617 Zinc Spray

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P280F Wear respiratory protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention.

Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

SUPPLEMENTAL INFORMATION:

Supplemental Precautionary Statements:

Restricted to professional users.

1% of the mixture consists of components of unknown acute oral toxicity.

1% of the mixture consists of components of unknown acute dermal toxicity.

36% of the mixture consists of components of unknown acute inhalation toxicity.

Contains 1% of components with unknown hazards to the aquatic environment.

Nota P applied.

2.3. Other hazards

May displace oxygen and cause rapid suffocation.

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 |
|--|--|---------|--|
| Zinc | (CAS-No.) 7440-66-6 (EC-No.) 231-175-3 | 15 - 40 | Aquatic Acute 1, H400,M=10 Aquatic Chronic 1, H410,M=10 |
| butane | (CAS-No.) 106-97-8 (EC-No.) 203-448-7 | 10 - 30 | Flam. Gas 1A, H220 Liquified gas, H280 Nota C,U |
| acetone | (CAS-No.) 67-64-1 (EC-No.) 200-662-2 | 10 - 30 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 |
| Solvent naphtha (petroleum), light arom. | (CAS-No.) 64742-95-6 (EC-No.) 265-199-0 | 1 - 10 | Asp. Tox. 1, H304 Nota P Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 3, H412 |

| zinc oxide | (CAS-No.) 1314-13-2 (EC-No.) 215-222-5 | 1 - 10 | Aquatic Acute 1, H400,M=1 Aquatic Chronic 1, H410,M=1 |
|------------------|---|--------|---|
| propane | (CAS-No.) 74-98-6 (EC-No.) 200-827-9 | 1 - 10 | Flam. Gas 1A, H220 Liquified gas, H280 Nota U |
| xylene | (CAS-No.) 1330-20-7 (EC-No.) 215-535-7 | 5 - 10 | Flam. Liq. 3, H226 Acute Tox. 4, H332 Acute Tox. 4, H312 Skin Irrit. 2, H315 Nota C Asp. Tox. 1, H304 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Aquatic Chronic 3, H412 |
| Bentone | None | < 2 | Substance not classified as hazardous |
| 2-butanone oxime | (CAS-No.) 96-29-7 (EC-No.) 202-496-6 | < 2 | Acute Tox. 3, H301(LD50 = 100 mg/kg **ATE values per GB MCL**) Acute Tox. 4, H312(LD50 = 1100 mg/kg **ATE values per GB MCL**) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 1, H370 STOT SE 3, H336 STOT RE 2, H373 |

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. 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

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately 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

The most important symptoms and effects based on the GB CLP classification include:

Irritation to the skin (localized redness, swelling, itching, and dryness). Allergic skin reaction (redness, swelling, blistering, and itching). Serious irritation to the eyes (significant redness, swelling, pain, tearing, and impaired vision). Central nervous

system depression (headache, dizziness, drowsiness, incoordination, nausea, slurred speech, giddiness, and unconsciousness). Target organ effects. See Section 11 for additional details. Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

4.3. Indication of any immediate medical attention and special treatment required

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products

SubstanceConditionCarbon monoxideDuring combustion.Carbon dioxide.During combustion.Oxides of zinc.During combustion.

5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. 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

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. 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

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

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Contain spill. Cover spill area with a fire-extinguishing foam. 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 using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. 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

Do not use in a confined area with minimal air exchange. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. 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. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store away from heat. Store away from acids. 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 |
|------------|-----------|--------|---|----------------------------|
| butane | 106-97-8 | UK HSC | TWA:1450 mg/m³(600 ppm);STEL:1810 mg/m³(750 ppm) | |
| xylene | 1330-20-7 | UK HSC | TWA:220 mg/m3(50 ppm);STEL:441 mg/m3(100 ppm) | SKIN |
| acetone | 67-64-1 | UK HSC | TWA:1210 mg/m³(500 ppm);STEL:3620 mg/m³(1500 ppm) | |
| propane | 74-98-6 | UK HSC | Limit value not established: | asphyxiant |

UK HSC: UK Health and Safety Commission

TWA: Time-Weighted-Average STEL: Short Term Exposure Limit

CEIL: Ceiling

Biological limit values

| Ingredient | CAS Nbr | Agency | Determinant | Biological Specimen | Sampling Time | Value | Additional comments |
|------------|------------|---------|---------------|------------------------|------------------|-------------|---------------------|
| xylene | 1330- | UK EH40 | Methyl | Creatinine in | EOS | 650 mmol/mo | 1 |
| | 20-7 | BMGVs | hippuric acid | urine | | | |

UK EH40 BMGVs: UK. EH40 Biological Monitoring Guidance Values (BMGVs)

EOS: End of shift.

8.2. Exposure controls

8.2.1. Engineering controls

Provide ventilated enclosure for heat curing. Curing enclosures must be exhausted to outdoors or to a suitable emission control device. Do not remain in area where available oxygen may be reduced. 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:

Full face shield.

Indirect vented goggles.

Applicable Norms/Standards

Use eye/face 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. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended:

MaterialThickness (mm)Breakthrough TimeButyl rubber.No data availableNo data availablePolymer laminateNo data availableNo data available

Applicable Norms/Standards Use gloves tested to EN 374

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron – Butyl rubber Apron – polymer laminate

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 Half facepiece or full facepiece supplied-air respirator

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

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

Physical stateLiquid.Specific Physical Form:AerosolColourGreyOdorSolvent

Odour threshold No data available.

3M 1617 Zinc Spray

Melting point/freezing point Boiling point/boiling range Flammability (solid, gas) Flammable Limits(LEL) Flammable Limits(UEL)

Flash point

Autoignition temperature Decomposition temperature

pН

Kinematic Viscosity Water solubility Solubility- non-water

Partition coefficient: n-octanol/water

Vapour pressure

Density

Relative density Relative Vapour Density No data available.
No data available.
Not applicable.
No data available.
No data available.

-104 °C [Details: Propellant's flash point]

No data available. No data available.

substance/mixture is non-soluble (in water)

No data available.

Nil

No data available. No data available. No data available. 0.95 g/cm3

0.95 [Ref Std:AIR=1] No data available.

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic CompoundsNo data available.Evaporation rateNo data available.Percent volatileNo data available.

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.

Sparks and/or flames.

Temperatures above the boiling point.

High shear and high temperature conditions

10.5 Incompatible materials

Strong acids.

Explosive when mixed with oxidizing substances.

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 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

Simple asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

Skin contact

Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, dryness, cracking, blistering, and pain. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eve contact

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion

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

Additional Health Effects:

Single exposure may cause target organ effects:

Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Single exposure, above recommended guidelines, may cause: Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

Prolonged or repeated exposure may cause target organ effects:

Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. 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. Respiratory effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and respiratory failure.

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 ATE >5,000 mg/kg |
|--|---------------------------------------|-----------------------------------|--|
| Overall product | Inhalation- Vapour(4 hr) | | No data available; calculated ATE >50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Zinc | Dermal | Professio nal judgeme nt | LD50 estimated to be > 5,000 mg/kg |
| Zinc | Inhalation- Dust/Mist (4 hours) | Rat | LC50 > 5.41 mg/l |
| Zinc | Ingestion | Rat | LD50 > 2,000 mg/kg |
| acetone | Dermal | Rabbit | LD50 > 15,688 mg/kg |
| acetone | Inhalation- Vapour (4 hours) | Rat | LC50 76 mg/l |
| acetone | Ingestion | Rat | LD50 5,800 mg/kg |
| butane | Inhalation- Gas (4 hours) | Rat | LC50 277,000 ppm |
| propane | Inhalation- Gas (4 hours) | Rat | LC50 > 200,000 ppm |
| Solvent naphtha (petroleum), light arom. | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| xylene | Dermal | Rabbit | LD50 > 4,200 mg/kg |
| Solvent naphtha (petroleum), light arom. | Inhalation- Vapour (4 hours) | Rat | LC50 > 5.2 mg/l |
| Solvent naphtha (petroleum), light arom. | Ingestion | Rat | LD50 > 5,000 mg/kg |
| xylene | Inhalation- Vapour (4 hours) | Rat | LC50 29 mg/l |
| xylene | Ingestion | Rat | LD50 3,523 mg/kg |
| zinc oxide | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| zinc oxide | Inhalation- Dust/Mist (4 hours) | Rat | LC50 > 5.7 mg/l |
| zinc oxide | Ingestion | Rat | LD50 > 5,000 mg/kg |
| 2-butanone oxime | Dermal | official classifica tion | LD50 1,100 mg/kg |
| 2-butanone oxime | Ingestion | official classifica tion | LD50 100 mg/kg |
| 2-butanone oxime | Inhalation- Vapour | Rat | LC50 estimated to be 20 - 50 mg/l |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--|-----------|---------------------------|
| | P | |
| acetone | Mouse | Minimal irritation |
| butane | Professio | No significant irritation |
| | nal | |
| | judgemen | |
| | t | |
| propane | Rabbit | Minimal irritation |
| Solvent naphtha (petroleum), light arom. | Rabbit | Irritant |
| xylene | Rabbit | Mild irritant |
| zinc oxide | Human | No significant irritation |
| | and | |
| | animal | |
| 2-butanone oxime | Rabbit | Irritant |

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Serious Eye Damage/Irritation

| Name | Species | Value |
|--|---------|---------------------------|
| | | |
| Zinc | Rabbit | No significant irritation |
| acetone | Rabbit | Severe irritant |
| butane | Rabbit | No significant irritation |
| propane | Rabbit | Mild irritant |
| Solvent naphtha (petroleum), light arom. | Rabbit | Mild irritant |
| xylene | Rabbit | Mild irritant |
| zinc oxide | Rabbit | Mild irritant |
| 2-butanone oxime | Rabbit | Corrosive |

Skin Sensitisation

| Name | Species | Value |
|--|---------|----------------|
| | | |
| Solvent naphtha (petroleum), light arom. | Guinea | Not classified |
| | pig | |
| zinc oxide | Guinea | Not classified |
| | pig | |
| 2-butanone oxime | Guinea | Sensitising |
| | pig | |

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 |
|------------------|----------|--|
| acetone | In vivo | Not mutagenic |
| acetone | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| butane | In Vitro | Not mutagenic |
| propane | In Vitro | Not mutagenic |
| xylene | In Vitro | Not mutagenic |
| xylene | In vivo | Not mutagenic |
| zinc oxide | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| zinc oxide | In vivo | Some positive data exist, but the data are not sufficient for classification |
| 2-butanone oxime | In Vitro | Not mutagenic |
| 2-butanone oxime | In vivo | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|--|----------------|-------------------------------|--|
| acetone | Not specified. | Multiple animal species | Not carcinogenic |
| Solvent naphtha (petroleum), light arom. | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |
| xylene | Dermal | Rat | Not carcinogenic |
| xylene | Ingestion | Multiple animal species | Not carcinogenic |
| xylene | Inhalation | Human | Some positive data exist, but the data are not sufficient for classification |
| 2-butanone oxime | Inhalation | Multiple animal species | Carcinogenic. |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|--|------------|--|-------------------------------|-----------------------------|------------------------------|
| acetone | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,700 mg/kg/day | 13 weeks |
| acetone | Inhalation | Not classified for development | Rat | NOAEL 5.2 mg/l | during organogenesis |
| Solvent naphtha (petroleum), light arom. | Inhalation | Not classified for female reproduction | Rat | NOAEL 1,500 ppm | 2 generation |
| Solvent naphtha (petroleum), light arom. | Inhalation | Not classified for male reproduction | Rat | NOAEL 1,500 ppm | 2 generation |
| Solvent naphtha (petroleum), light arom. | Inhalation | Not classified for development | Rat | NOAEL 500 ppm | 2 generation |
| xylene | Inhalation | Not classified for female reproduction | Human | NOAEL Not available | occupational exposure |
| xylene | Ingestion | Not classified for development | Mouse | NOAEL Not available | during organogenesis |
| xylene | Inhalation | Not classified for development | Multiple animal species | NOAEL Not available | during gestation |
| zinc oxide | Ingestion | Not classified for reproduction and/or development | Multiple animal species | NOAEL 125 mg/kg/day | premating & during gestation |
| 2-butanone oxime | Ingestion | Not classified for female reproduction | Rat | NOAEL 200 mg/kg/day | 2 generation |
| 2-butanone oxime | Ingestion | Not classified for male reproduction | Rat | NOAEL 200 mg/kg/day | 2 generation |
| 2-butanone oxime | Ingestion | Not classified for development | Rat | NOAEL 600 mg/kg/day | during organogenesis |

Lactation

| Name | Route | Species | Value |
|--------|-----------|---------|--|
| xylene | Ingestion | Mouse | Not classified for effects on or via lactation |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---------|------------|--------------------------------------|--|------------------------|------------------------|---------------------------|
| acetone | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| acetone | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| acetone | Inhalation | immune system | Not classified | Human | NOAEL 1.19 mg/l | 6 hours |
| acetone | Inhalation | liver | Not classified | Guinea pig | NOAEL Not available | |
| acetone | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |
| butane | Inhalation | cardiac sensitisation | Causes damage to organs | Human | NOAEL Not available | |
| butane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| butane | Inhalation | heart | Not classified | Dog | NOAEL 5,000 ppm | 25 minutes |
| butane | Inhalation | respiratory irritation | Not classified | Rabbit | NOAEL Not available | |
| propane | Inhalation | cardiac sensitisation | Causes damage to organs | Human | NOAEL Not available | |
| propane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |

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| propane | Inhalation | respiratory irritation | Not classified | Human | NOAEL Not available | |
|--|------------|--------------------------------------|--|-----------------------------------|------------------------|----------------|
| Solvent naphtha (petroleum), light arom. | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Professio nal judgeme nt | NOAEL Not available | |
| Solvent naphtha (petroleum), light arom. | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Professio nal judgeme nt | NOAEL Not available | |
| Solvent naphtha (petroleum), light arom. | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professio nal judgeme nt | NOAEL Not available | |
| xylene | Inhalation | auditory system | Causes damage to organs | Rat | LOAEL 6.3 mg/l | 8 hours |
| xylene | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| xylene | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| xylene | Inhalation | eyes | Not classified | Rat | NOAEL 3.5 mg/l | not available |
| xylene | Inhalation | liver | Not classified | Multiple animal species | NOAEL Not available | |
| xylene | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Multiple animal species | NOAEL Not available | |
| xylene | Ingestion | eyes | Not classified | Rat | NOAEL 250 mg/kg | not applicable |
| 2-butanone oxime | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| 2-butanone oxime | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Rat | NOAEL 100 mg/kg | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---------|------------|--------------------------|----------------|---------------|-----------------------------|----------------------|
| acetone | Dermal | eyes | Not classified | Guinea pig | NOAEL Not available | 3 weeks |
| acetone | Inhalation | hematopoietic system | Not classified | Human | NOAEL 3 mg/l | 6 weeks |
| acetone | Inhalation | immune system | Not classified | Human | NOAEL 1.19 mg/l | 6 days |
| acetone | Inhalation | kidney and/or bladder | Not classified | Guinea pig | NOAEL 119 mg/l | not available |
| acetone | Inhalation | heart liver | Not classified | Rat | NOAEL 45 mg/l | 8 weeks |
| acetone | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 900 mg/kg/day | 13 weeks |
| acetone | Ingestion | heart | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| acetone | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 200 mg/kg/day | 13 weeks |
| acetone | Ingestion | liver | Not classified | Mouse | NOAEL 3,896 mg/kg/day | 14 days |
| acetone | Ingestion | eyes | Not classified | Rat | NOAEL 3,400 mg/kg/day | 13 weeks |
| acetone | Ingestion | respiratory system | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| acetone | Ingestion | muscles | Not classified | Rat | NOAEL | 13 weeks |

| | | | | | 2,500 mg/kg | |
|------------------|------------|--|--|-------------------------------|------------------------------|-----------|
| acetone | Ingestion | skin bone, teeth, nails, and/or hair | Not classified | Mouse | NOAEL 11,298 mg/kg/day | 13 weeks |
| butane | Inhalation | kidney and/or bladder blood | Not classified | Rat | NOAEL 4,489 ppm | 90 days |
| xylene | Inhalation | nervous system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.4 mg/l | 4 weeks |
| xylene | Inhalation | auditory system | May cause damage to organs though prolonged or repeated exposure | Rat | LOAEL 7.8 mg/l | 5 days |
| xylene | Inhalation | liver | Not classified | Multiple animal species | NOAEL Not available | |
| xylene | Inhalation | heart endocrine system gastrointestinal tract hematopoietic system muscles kidney and/or bladder respiratory system | Not classified | Multiple animal species | NOAEL 3.5 mg/l | 13 weeks |
| xylene | Ingestion | auditory system | Not classified | Rat | NOAEL 900 mg/kg/day | 2 weeks |
| xylene | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 1,500 mg/kg/day | 90 days |
| xylene | Ingestion | liver | Not classified | Multiple animal species | NOAEL Not available | |
| xylene | Ingestion | heart skin endocrine system bone, teeth, nails, and/or hair hematopoietic system immune system nervous system respiratory system | Not classified | Mouse | NOAEL 1,000 mg/kg/day | 103 weeks |
| zinc oxide | Ingestion | nervous system | Not classified | Rat | NOAEL 600 mg/kg/day | 10 days |
| zinc oxide | Ingestion | endocrine system hematopoietic system kidney and/or bladder | Not classified | Other | NOAEL 500 mg/kg/day | 6 months |
| 2-butanone oxime | Inhalation | hematopoietic system | May cause damage to organs though prolonged or repeated exposure | Rat | NOAEL 0.36 mg/l | 28 days |
| 2-butanone oxime | Inhalation | respiratory system | May cause damage to organs though prolonged or repeated exposure | Mouse | NOAEL 0.01 mg/l | 90 days |
| 2-butanone oxime | Inhalation | liver | Not classified | Rat | NOAEL 1.44 mg/l | 28 days |
| 2-butanone oxime | Ingestion | hematopoietic system | May cause damage to organs though prolonged or repeated exposure | Rat | NOAEL 25 mg/kg/day | 90 days |
| 2-butanone oxime | Ingestion | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 100 mg/kg/day | 90 days |
| 2-butanone oxime | Ingestion | nervous system | Not classified | Rat | NOAEL 400 mg/kg/day | 90 days |
| 2-butanone oxime | Ingestion | liver kidney and/or bladder heart endocrine system bone, teeth, nails, and/or hair immune system | Not classified | Rat | NOAEL 335 mg/kg/day | 90 days |

Aspiration Hazard

| Name | Value | | |
|--|-------------------|--|--|
| Solvent naphtha (petroleum), light arom. | Aspiration hazard | | |
| xylene | 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.

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 |
|--|------------|-------------------------------|---|------------|---------------|-------------|
| Zinc | 7440-66-6 | Bacteria | Estimated | 30 minutes | EC10 | 0.3 mg/l |
| Zinc | 7440-66-6 | Green algae | Estimated | 72 hours | EC50 | 0.042 mg/l |
| Zinc | 7440-66-6 | Rainbow trout | Estimated | 96 hours | LC50 | 0.169 mg/l |
| Zinc | 7440-66-6 | Water flea | Estimated | 48 hours | EC50 | 0.06 mg/l |
| Zinc | 7440-66-6 | Green algae | Estimated | 72 hours | NOEC | 0.005 mg/l |
| Zinc | 7440-66-6 | Water flea | Estimated | 7 days | NOEC | 0.013 mg/l |
| acetone | 67-64-1 | Algae or other aquatic plants | Experimental | 96 hours | EC50 | 11,493 mg/l |
| acetone | 67-64-1 | Invertebrate | Experimental | 24 hours | LC50 | 2,100 mg/l |
| acetone | 67-64-1 | Rainbow trout | Experimental | 96 hours | LC50 | 5,540 mg/l |
| acetone | 67-64-1 | Water flea | Experimental | 21 days | NOEC | 1,000 mg/l |
| acetone | 67-64-1 | Bacteria | Experimental | 16 hours | NOEC | 1,700 mg/l |
| acetone | 67-64-1 | Redworm | Experimental | 48 hours | LC50 | >100 |
| butane | 106-97-8 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | Fathead minnow | Estimated | 96 hours | LL50 | 8.2 mg/l |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | Green algae | Estimated | 72 hours | EL50 | 7.9 mg/l |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | Water flea | Estimated | 48 hours | EL50 | 3.2 mg/l |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | Green algae | Estimated | 72 hours | NOEL | 0.22 mg/l |

| Solvent naphtha (petroleum), light arom. | 64742-95-6 | Water flea | Experimental | 21 days | NOEL | 2.6 mg/l |
|--|------------|------------------|---|----------|------|------------|
| propane | 74-98-6 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| xylene | 1330-20-7 | Activated sludge | Estimated | 3 hours | NOEC | 157 mg/l |
| xylene | 1330-20-7 | Green algae | Estimated | 72 hours | EC50 | 4.36 mg/l |
| xylene | 1330-20-7 | Rainbow trout | Estimated | 96 hours | LC50 | 2.6 mg/l |
| xylene | 1330-20-7 | Water flea | Estimated | 48 hours | EC50 | 3.82 mg/l |
| xylene | 1330-20-7 | Green algae | Estimated | 72 hours | NOEC | 0.44 mg/l |
| xylene | 1330-20-7 | Water flea | Estimated | 7 days | NOEC | 0.96 mg/l |
| xylene | 1330-20-7 | Rainbow trout | Experimental | 56 days | NOEC | >1.3 mg/l |
| zinc oxide | 1314-13-2 | Activated sludge | Estimated | 3 hours | EC50 | 6.5 mg/l |
| zinc oxide | 1314-13-2 | Green algae | Estimated | 72 hours | EC50 | 0.052 mg/l |
| zinc oxide | 1314-13-2 | Rainbow trout | Estimated | 96 hours | LC50 | 0.21 mg/l |
| zinc oxide | 1314-13-2 | Water flea | Estimated | 48 hours | EC50 | 0.07 mg/l |
| zinc oxide | 1314-13-2 | Green algae | Estimated | 72 hours | NOEC | 0.006 mg/l |
| zinc oxide | 1314-13-2 | Water flea | Estimated | 7 days | NOEC | 0.02 mg/l |
| 2-butanone oxime | 96-29-7 | Bacteria | Experimental | 17 hours | EC50 | 281 mg/l |
| 2-butanone oxime | 96-29-7 | Green algae | Experimental | 72 hours | EC50 | 16 mg/l |
| 2-butanone oxime | 96-29-7 | Medaka | Experimental | 96 hours | LC50 | >100 mg/l |
| 2-butanone oxime | 96-29-7 | Water flea | Experimental | 48 hours | EC50 | 201 mg/l |
| 2-butanone oxime | 96-29-7 | Green algae | Experimental | 72 hours | NOEC | 2.6 mg/l |
| 2-butanone oxime | 96-29-7 | Water flea | Experimental | 21 days | NOEC | >=100 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|-----------------------------------|----------|-------------------------------|---------------------|-------------------------------------|
| Zinc | 7440-66-6 | Data not availbl- insufficient | N/A | N/A | N/A | N/A |
| acetone | 67-64-1 | Experimental Biodegradation | 28 days | BOD | 78 %BOD/ThOD | OECD 301D - Closed bottle test |
| acetone | 67-64-1 | Experimental Photolysis | | Photolytic half-life (in air) | 147 days (t 1/2) | |
| butane | 106-97-8 | Experimental Photolysis | | Photolytic half-life (in air) | 12.3 days (t 1/2) | |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | Estimated Biodegradation | 28 days | BOD | 78 %BOD/COD | OECD 301F - Manometric respirometry |
| propane | 74-98-6 | Experimental Photolysis | | Photolytic half-life (in air) | 27.5 days (t 1/2) | |
| xylene | 1330-20-7 | Experimental Biodegradation | 28 days | BOD | 90- 98 %BOD/ThOD | OECD 301F - Manometric respirometry |
| xylene | 1330-20-7 | Experimental Photolysis | | Photolytic half-life (in air) | 1.4 days (t 1/2) | |
| zinc oxide | 1314-13-2 | Data not availbl- | N/A | N/A | N/A | N/A |

3M 1617 Zinc Spray

| | | insufficient | | | | |
|------------------|---------|----------------|---------|----------------------|-------------------|--|
| 2-butanone oxime | 96-29-7 | Experimental | 21 days | BOD | 14.5 %BOD/ThOD | |
| | | Biodegradation | | | | |
| 2-butanone oxime | 96-29-7 | Estimated | | Photolytic half-life | 21.6 days (t 1/2) | |
| | | Photolysis | | (in air) | | |
| 2-butanone oxime | 96-29-7 | Experimental | | Hydrolytic half-life | 18 days (t 1/2) | |
| | | Hydrolysis | | | | |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|-------------------------------|----------|------------------------|-------------|--------------------------|
| Zinc | 7440-66-6 | Estimated BCF - Fish | 56 days | Bioaccumulation factor | 242 | |
| acetone | 67-64-1 | Experimental BCF - Other | | Bioaccumulation factor | 0.65 | |
| acetone | 67-64-1 | Experimental Bioconcentration | | Log Kow | -0.24 | |
| butane | 106-97-8 | Experimental Bioconcentration | | Log Kow | 2.89 | |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | Estimated BCF - Fish | 42 days | Bioaccumulation factor | 598 | OECD305-Bioconcentration |
| propane | 74-98-6 | Experimental Bioconcentration | | Log Kow | 2.36 | |
| xylene | 1330-20-7 | Experimental BCF - Fish | 56 days | Bioaccumulation factor | 25.9 | |
| zinc oxide | 1314-13-2 | Experimental BCF - Fish | 56 days | Bioaccumulation factor | ≤217 | OECD305-Bioconcentration |
| 2-butanone oxime | 96-29-7 | Experimental BCF - Fish | 42 days | Bioaccumulation factor | <5.8 | OECD305-Bioconcentration |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|----------|---------|------------------|------------|-------------|------------------------|
| acetone | 67-64-1 | Modeled Mobility | Koc | 9.7 l/kg | Episuite TM |
| | | in Soil | | | |

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. Facility must be capable of handling aerosol cans. As a disposal alternative, utilize an acceptable permitted waste disposal facility. 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)

08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances 16 05 04* Gases in pressure containers (including halons) containing dangerous substances

EU waste code (product container after use)

15 01 04 Metallic packaging

SECTION 14: Transportation information

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|--|--|--|--|
| 14.1 UN number | UN1950 | UN1950 | UN1950 |
| 14.2 UN proper shipping name | AEROSOLS | AEROSOLS, FLAMMABLE | AEROSOLS(ZINC) |
| 14.3 Transport hazard class(es) | 2.1 | 2.1 | 2.1 |
| 14.4 Packing group | Not applicable. | Not applicable. | Not applicable. |
| 14.5 Environmental hazards | Environmentally Hazardous | Not applicable | Marine Pollutant |
| 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 | 5F | Not applicable. | Not applicable. |
| IMDG Segregation Code | Not applicable. | Not applicable. | NONE |

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

| <u>Ingredient</u> | CAS Nbr | Classification | Regulation |
|-------------------|-----------|-------------------------|---|
| 2-butanone oxime | 96-29-7 | Carc. 1B | The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain, UK Mandatory Classification and |
| xylene | 1330-20-7 | Gr. 3: Not classifiable | Labelling list International Agency for Research on Cancer |

Regulation UK regulation 2023/63 (marketing and use of explosive precursors and poisons)

This product contains a reportable substance according to UK legislation 1972/66: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. Please see UK Regulation 2023/63 for further details.

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.

COMAH Regulation, SI 2015/483

Seveso hazard categories, Annex 1, Part 1 None

Seveso named dangerous substances, Annex 1, Part 2

| Dangerous Substances | Identifier(s) | Qualifying quantit | Qualifying quantity (tonnes) for the application of | | |
|----------------------|---------------|-------------------------|---|--|--|
| | | Lower-tier requirements | Upper-tier requirements | | |
| acetone | 67-64-1 | 10 | 50 | | |
| butane | 106-97-8 | 10 | 50 | | |
| 2-butanone oxime | 96-29-7 | 50 | 200 | | |
| propane | 74-98-6 | 10 | 50 | | |
| xylene | 1330-20-7 | 10 | 50 | | |
| Zinc | 7440-66-6 | 50 | 200 | | |
| Zinc | 7440-66-6 | 100 | 200 | | |
| zinc oxide | 1314-13-2 | 100 | 200 | | |

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

| EUH066 | Repeated exposure may cause skin dryness or cracking. |
|--------|---|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H229 | Pressurised container: may burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H301 | Toxic if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H350 | May cause cancer. |
| H370 | Causes damage to organs. |
| H371 | May cause damage to organs: respiratory system. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure: nervous system sensory |
| H400 | organs. Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| 11714 | framinal to aquatic fire with folig fasting effects. |

Revision information:

Label: CLP Precautionary - Disposal information was deleted. Label: CLP Precautionary - General information was deleted.

Section 14 Other Dangerous Goods - Regulation Data information was modified.

Section 14 Proper Shipping Name information was modified.

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.