



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

Scotchrap™ Pipe Primer

Product Identification Numbers

80-6109-2573-9

7000006131

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

Identified uses

Piper primer

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 due to the product's viscosity.

CLASSIFICATION:

Flammable Liquid, Category 2 - Flam. Liq. 2; H225
 Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315
 Reproductive Toxicity, Category 2 - Repr. 2; H361d
 Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H336
 Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

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 |
|--------------------------------------------|------------|-----------|---------|
| Naphtha (petroleum), solvent-refined light | 64741-84-0 | 265-086-6 | 55 - 65 |
| toluene | 108-88-3 | 203-625-9 | 4 - 6 |

HAZARD STATEMENTS:

H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H361d Suspected of damaging the unborn child.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280F Wear respiratory protection.

Contains 63% of components with unknown hazards to the aquatic environment.

Nota P applied to CASRN 64741-84-0.

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 |
|-------------------------------------------------|--------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Naphtha (petroleum), solvent-refined light | (CAS-No.) 64741-84-0 (EC-No.) 265-086-6 | 55 - 65 | Asp. Tox. 1, H304 Nota P Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 |
| Butyl rubber | (CAS-No.) 9010-85-9 | 10 - 15 | Substance not classified as hazardous |
| Resin acids and Rosin acids, calcium zinc salts | (CAS-No.) 68334-35-0 (EC-No.) 269-825-3 | 5 - 10 | Substance not classified as hazardous |
| Mica-group minerals | (CAS-No.) 12001-26-2 | 5 - 10 | Substance with a national occupational exposure limit |
| toluene | (CAS-No.) 108-88-3 (EC-No.) 203-625-9 | 4 - 6 | Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 3, H412 |
| ethanol | (CAS-No.) 64-17-5 (EC-No.) 200-578-6 | 1 - 3 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 |
| Piperylene - 2-methyl-2-butene polymer | (CAS-No.) 26813-14-9 | < 2 | Substance not classified as hazardous |
| Carbon black | (CAS-No.) 1333-86-4 (EC-No.) 215-609-9 | < 2 | Substance with a national occupational exposure limit |
| trizinc bis(orthophosphate) | (CAS-No.) 7779-90-0 (EC-No.) 231-944-3 | < 1 | Aquatic Acute 1, H400,M=10 Aquatic Chronic 1, H410,M=10 |
| benzene | (CAS-No.) 71-43-2 (EC-No.) 200-753-7 | < 0.1 | Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 1B, H340 Carc. 1A, H350 STOT RE 1, H372 Aquatic Chronic 3, H412 |

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

Specific Concentration Limits

| Ingredient | Identifier(s) | Specific Concentration Limits |
|------------|---------------|-------------------------------|
| | | |

| | | |
|---------|-----------------------------------------|-------------------------------|
| ethanol | (CAS-No.) 64-17-5 (EC-No.) 200-578-6 | (C >= 50%) Eye Irrit. 2, H319 |
|---------|-----------------------------------------|-------------------------------|

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

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 flammable liquids such as dry chemical or carbon dioxide to extinguish.

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

Substance

Carbon monoxide

Carbon dioxide.

Condition

During combustion.

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

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 using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. 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. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapour accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. 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 |
|---------------------|------------|--------|----------------------------------------------------------------------------------|---------------------|
| toluene | 108-88-3 | UK HSC | TWA: 191 mg/m ³ (50 ppm); STEL: 384 mg/m ³ (100 ppm) | SKIN |
| Mica-group minerals | 12001-26-2 | UK HSC | TWA(respirable):0.8 mg/m ³ ;TWA(Inhalable):10 mg/m ³ | |
| Carbon black | 1333-86-4 | UK HSC | TWA: 3.5 mg/m ³ ; STEL: 7 mg/m ³ | |
| ethanol | 64-17-5 | UK HSC | TWA:1920 mg/m ³ (1000 ppm) | |

benzene 71-43-2 UK HSC TWA:3.25 mg/m3(1 ppm) SKIN
 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.

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. Use explosion-proof ventilation equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

None required.

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:

| Material | Thickness (mm) | Breakthrough Time |
|------------------|-------------------|-------------------|
| Polymer laminate | 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

| | |
|-------------------------------------|--------------------|
| Physical state | Liquid. |
| Colour | Black |
| Odor | Solvent |
| Odour threshold | No data available. |
| Melting point/freezing point | No data available. |
| Boiling point/boiling range | 90 - 100 °C |

| | |
|-----------------------------------------------|--------------------------------------------------------------|
| Flammability (solid, gas) | Not applicable. |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Flash point | -7.2 °C [<i>Test Method:</i> Closed Cup] |
| Autoignition temperature | 246.1 - 260 °C |
| Decomposition temperature | <i>No data available.</i> |
| pH | <i>substance/mixture is non-polar/aprotic</i> |
| Kinematic Viscosity | 361 mm ² /sec |
| Water solubility | [<i>Details:</i> CONDITIONS: Nil] <i>No data available.</i> |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Vapour pressure | <=186,158.4 Pa [<i>@ 55 °C</i>] |
| Density | 0.8 kg/l |
| Relative density | 0.83 |
| Relative Vapour Density | <i>No data available.</i> |

9.2. Other information

9.2.2 Other safety characteristics

| | |
|--------------------------------------|---------------------------|
| EU Volatile Organic Compounds | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Molecular weight | <i>No data available.</i> |

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.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|-----------------------|
| Aldehydes. | Oxidative Degradation |

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

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.

Eye contact

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

Ingestion

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

Additional Health Effects:

Single exposure may cause target organ effects:

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause target organ effects:

Ocular effects: Signs/symptoms may include blurred or significantly impaired vision. Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Olfactory effects: Signs/symptoms may include decreased ability to detect odours and complete loss of smell. 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.

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.

Additional information:

This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified by the International Agency for Research on Cancer as carcinogenic to humans. There are also data associating human consumption of alcoholic beverages with developmental toxicity and liver toxicity. Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer, developmental toxicity, or liver toxicity.

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 | Inhalation-Vapour(4 hr) | | No data available; calculated ATE >50 mg/l |

| | | | |
|--------------------------------------------|-----------------------------|-------------------------|------------------------------------------------|
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Naphtha (petroleum), solvent-refined light | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Naphtha (petroleum), solvent-refined light | Inhalation-Vapour (4 hours) | Rat | LC50 259 mg/l |
| Naphtha (petroleum), solvent-refined light | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Butyl rubber | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Butyl rubber | Ingestion | | LD50 estimated to be > 5,000 mg/kg |
| Mica-group minerals | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Mica-group minerals | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| toluene | Dermal | Rat | LD50 12,000 mg/kg |
| toluene | Inhalation-Vapour (4 hours) | Rat | LC50 30 mg/l |
| toluene | Ingestion | Rat | LD50 5,550 mg/kg |
| ethanol | Dermal | Rabbit | LD50 > 15,800 mg/kg |
| ethanol | Inhalation-Vapour (4 hours) | Rat | LC50 124.7 mg/l |
| ethanol | Ingestion | Rat | LD50 17,800 mg/kg |
| Piperylene - 2-methyl-2-butene polymer | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Piperylene - 2-methyl-2-butene polymer | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Carbon black | Dermal | Rabbit | LD50 > 3,000 mg/kg |
| Carbon black | Ingestion | Rat | LD50 > 8,000 mg/kg |
| trizinc bis(orthophosphate) | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| trizinc bis(orthophosphate) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| benzene | Dermal | Multiple animal species | LD50 > 8,260 mg/kg |
| benzene | Inhalation-Vapour (4 hours) | Rat | LC50 43.8 mg/l |
| benzene | Ingestion | Rat | LD50 5,970 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--------------------------------------------|------------------------|---------------------------|
| Naphtha (petroleum), solvent-refined light | Rabbit | Irritant |
| Butyl rubber | Rabbit | No significant irritation |
| toluene | Rabbit | Irritant |
| ethanol | Rabbit | No significant irritation |
| Piperylene - 2-methyl-2-butene polymer | Professional judgement | No significant irritation |
| Carbon black | Rabbit | No significant irritation |
| benzene | Rabbit | Irritant |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--------------------------------------------|------------------------|---------------------------|
| Naphtha (petroleum), solvent-refined light | Rabbit | Mild irritant |
| Butyl rubber | Professional judgement | No significant irritation |
| toluene | Rabbit | Moderate irritant |
| ethanol | Rabbit | Severe irritant |
| Carbon black | Rabbit | No significant irritation |
| benzene | Rabbit | Severe irritant |

Skin Sensitisation

| Name | Species | Value |
|--------------------------------------------|-------------------------|----------------|
| Naphtha (petroleum), solvent-refined light | Guinea pig | Not classified |
| toluene | Guinea pig | Not classified |
| ethanol | Human | Not classified |
| Piperylene - 2-methyl-2-butene polymer | | Not classified |
| benzene | Multiple animal species | 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 |
|--------------------------------------------|----------|------------------------------------------------------------------------------|
| Naphtha (petroleum), solvent-refined light | In Vitro | Not mutagenic |
| toluene | In Vitro | Not mutagenic |
| toluene | In vivo | Not mutagenic |
| ethanol | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| ethanol | In vivo | Some positive data exist, but the data are not sufficient for classification |
| Carbon black | In Vitro | Not mutagenic |
| Carbon black | In vivo | Some positive data exist, but the data are not sufficient for classification |
| benzene | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| benzene | In vivo | Mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|--------------|------------|-------------------------|------------------------------------------------------------------------------|
| toluene | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| toluene | Ingestion | Rat | Some positive data exist, but the data are not sufficient for classification |
| toluene | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |
| ethanol | Ingestion | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| Carbon black | Dermal | Mouse | Not carcinogenic |
| Carbon black | Ingestion | Mouse | Not carcinogenic |
| Carbon black | Inhalation | Rat | Carcinogenic. |
| benzene | Dermal | Mouse | Carcinogenic. |
| benzene | Ingestion | Multiple animal species | Carcinogenic. |
| benzene | Inhalation | Human | Carcinogenic. |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---------|------------|----------------------------------------|---------|---------------------|-----------------------|
| toluene | Inhalation | Not classified for female reproduction | Human | NOAEL Not available | occupational exposure |
| toluene | Inhalation | Not classified for male reproduction | Rat | NOAEL 2.3 | 1 generation |

| | | | | | |
|---------|------------|----------------------------------------|-------|-----------------------|------------------------------|
| | | | | mg/l | |
| toluene | Ingestion | Toxic to development | Rat | LOAEL 520 mg/kg/day | during gestation |
| toluene | Inhalation | Toxic to development | Human | NOAEL Not available | poisoning and/or abuse |
| ethanol | Inhalation | Not classified for development | Rat | NOAEL 38 mg/l | during gestation |
| ethanol | Ingestion | Not classified for development | Rat | NOAEL 5,200 mg/kg/day | premating & during gestation |
| benzene | Inhalation | Not classified for female reproduction | Rat | NOAEL 0.96 mg/l | premating into lactation |
| benzene | Inhalation | Not classified for development | Rat | NOAEL 0.032 mg/l | during organogenesis |
| benzene | Ingestion | Toxic to male reproduction | Rat | LOAEL 50 mg/kg/day | 90 days |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|--------------------------------------------|------------|-----------------------------------|------------------------------------------------------------------------------|-------------------------|----------------------|------------------------|
| Naphtha (petroleum), solvent-refined light | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Naphtha (petroleum), solvent-refined light | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Naphtha (petroleum), solvent-refined light | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| toluene | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| toluene | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| toluene | Inhalation | immune system | Not classified | Mouse | NOAEL 0.004 mg/l | 3 hours |
| toluene | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |
| ethanol | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | LOAEL 9.4 mg/l | not available |
| ethanol | Inhalation | central nervous system depression | Not classified | Human and animal | NOAEL not available | |
| ethanol | Ingestion | central nervous system depression | Not classified | Multiple animal species | NOAEL not available | |
| ethanol | Ingestion | kidney and/or bladder | Not classified | Dog | NOAEL 3,000 mg/kg | |
| benzene | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available. | |
| benzene | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available. | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---------------------|------------|----------------------------------|----------------------------------------------------------------|---------|---------------------|------------------------|
| Mica-group minerals | Inhalation | pneumoconiosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| toluene | Inhalation | auditory system nervous system | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | poisoning and/or abuse |

| | | | | | | |
|--------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------|-----------------------|-----------------------|
| | | eyes olfactory system | | | | |
| toluene | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 2.3 mg/l | 15 months |
| toluene | Inhalation | heart liver kidney and/or bladder | Not classified | Rat | NOAEL 11.3 mg/l | 15 weeks |
| toluene | Inhalation | endocrine system | Not classified | Rat | NOAEL 1.1 mg/l | 4 weeks |
| toluene | Inhalation | immune system | Not classified | Mouse | NOAEL Not available | 20 days |
| toluene | Inhalation | bone, teeth, nails, and/or hair | Not classified | Mouse | NOAEL 1.1 mg/l | 8 weeks |
| toluene | Inhalation | hematopoietic system vascular system | Not classified | Human | NOAEL Not available | occupational exposure |
| toluene | Inhalation | gastrointestinal tract | Not classified | Multiple animal species | NOAEL 11.3 mg/l | 15 weeks |
| toluene | Ingestion | nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 625 mg/kg/day | 13 weeks |
| toluene | Ingestion | heart | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| toluene | Ingestion | liver kidney and/or bladder | Not classified | Multiple animal species | NOAEL 2,500 mg/kg/day | 13 weeks |
| toluene | Ingestion | hematopoietic system | Not classified | Mouse | NOAEL 600 mg/kg/day | 14 days |
| toluene | Ingestion | endocrine system | Not classified | Mouse | NOAEL 105 mg/kg/day | 28 days |
| toluene | Ingestion | immune system | Not classified | Mouse | NOAEL 105 mg/kg/day | 4 weeks |
| ethanol | Inhalation | liver | Some positive data exist, but the data are not sufficient for classification | Rabbit | LOAEL 124 mg/l | 365 days |
| ethanol | Inhalation | hematopoietic system immune system | Not classified | Rat | NOAEL 25 mg/l | 14 days |
| ethanol | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 8,000 mg/kg/day | 4 months |
| ethanol | Ingestion | kidney and/or bladder | Not classified | Dog | NOAEL 3,000 mg/kg/day | 7 days |
| Carbon black | Inhalation | pneumoconiosis | Not classified | Human | NOAEL Not available | occupational exposure |
| benzene | Inhalation | hematopoietic system | Causes damage to organs through prolonged or repeated exposure | Human and animal | NOAEL Not available. | |
| benzene | Inhalation | heart endocrine system gastrointestinal tract bone, teeth, nails, and/or hair liver immune system muscles nervous system eyes kidney and/or bladder respiratory system | Not classified | Rat | NOAEL 0.96 mg/l | 90 days |
| benzene | Ingestion | hematopoietic system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 25 mg/kg/day | 90 days |
| benzene | Ingestion | heart endocrine system gastrointestinal tract bone, teeth, nails, | Not classified | Rat | NOAEL 600 mg/kg/day | 90 days |

| | | | | | | |
|--|--|---------------------------------------------------------------------------------------------------|--|--|--|--|
| | | and/or hair liver immune system nervous system kidney and/or bladder respiratory system | | | | |
|--|--|---------------------------------------------------------------------------------------------------|--|--|--|--|

Aspiration Hazard

| Name | Value |
|--------------------------------------------|-------------------|
| Naphtha (petroleum), solvent-refined light | Aspiration hazard |
| toluene | 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 |
|-------------------------------------------------|------------|----------------|-------------------------------------------------------|------------|---------------|-------------|
| Naphtha (petroleum), solvent-refined light | 64741-84-0 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Butyl rubber | 9010-85-9 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Resin acids and Rosin acids, calcium zinc salts | 68334-35-0 | Bacteria | Estimated | 30 minutes | EC10 | 3 mg/l |
| Resin acids and Rosin acids, calcium zinc salts | 68334-35-0 | Fathead minnow | Estimated | 96 hours | LC50 | 1.7 mg/l |
| Resin acids and Rosin acids, calcium zinc salts | 68334-35-0 | Green algae | Estimated | 72 hours | EC50 | 39.6 mg/l |
| Resin acids and Rosin acids, calcium zinc salts | 68334-35-0 | Water flea | Estimated | 48 hours | EC50 | 1.6 mg/l |
| Resin acids and Rosin acids, calcium zinc salts | 68334-35-0 | Green algae | Estimated | 72 hours | NOEC | 6.25 mg/l |
| Mica-group minerals | 12001-26-2 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| toluene | 108-88-3 | Coho Salmon | Experimental | 96 hours | LC50 | 5.5 mg/l |
| toluene | 108-88-3 | Grass Shrimp | Experimental | 96 hours | LC50 | 9.5 mg/l |
| toluene | 108-88-3 | Green algae | Experimental | 72 hours | EC50 | 12.5 mg/l |

Scotchrap™ Pipe Primer

| | | | | | | |
|----------------------------------------|------------|------------------|-------------------------------------------------------|----------|-------|------------------------------|
| toluene | 108-88-3 | Leopard frog | Experimental | 9 days | LC50 | 0.39 mg/l |
| toluene | 108-88-3 | Pink Salmon | Experimental | 96 hours | LC50 | 6.41 mg/l |
| toluene | 108-88-3 | Water flea | Experimental | 48 hours | EC50 | 3.78 mg/l |
| toluene | 108-88-3 | Coho Salmon | Experimental | 40 days | NOEC | 1.39 mg/l |
| toluene | 108-88-3 | Diatom | Experimental | 72 hours | NOEC | 10 mg/l |
| toluene | 108-88-3 | Water flea | Experimental | 7 days | NOEC | 0.74 mg/l |
| toluene | 108-88-3 | Activated sludge | Experimental | 12 hours | IC50 | 292 mg/l |
| toluene | 108-88-3 | Bacteria | Experimental | 16 hours | NOEC | 29 mg/l |
| toluene | 108-88-3 | Bacteria | Experimental | 24 hours | EC50 | 84 mg/l |
| toluene | 108-88-3 | Redworm | Experimental | 28 days | LC50 | >150 mg per kg of bodyweight |
| toluene | 108-88-3 | Soil microbes | Experimental | 28 days | NOEC | <26 mg/kg (Dry Weight) |
| ethanol | 64-17-5 | Fathead minnow | Experimental | 96 hours | LC50 | 14,200 mg/l |
| ethanol | 64-17-5 | Fish | Experimental | 96 hours | LC50 | 11,000 mg/l |
| ethanol | 64-17-5 | Green algae | Experimental | 72 hours | EC50 | 275 mg/l |
| ethanol | 64-17-5 | Water flea | Experimental | 48 hours | LC50 | 5,012 mg/l |
| ethanol | 64-17-5 | Green algae | Experimental | 72 hours | ErC10 | 11.5 mg/l |
| ethanol | 64-17-5 | Water flea | Experimental | 10 days | NOEC | 9.6 mg/l |
| Carbon black | 1333-86-4 | Activated sludge | Experimental | 3 hours | EC50 | >=100 mg/l |
| Carbon black | 1333-86-4 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Piperylene - 2-methyl-2-butene polymer | 26813-14-9 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| trizinc bis(orthophosphate) | 7779-90-0 | Activated sludge | Estimated | 3 hours | EC50 | 10 mg/l |
| trizinc bis(orthophosphate) | 7779-90-0 | Green algae | Estimated | 72 hours | EC50 | 0.083 mg/l |
| trizinc bis(orthophosphate) | 7779-90-0 | Invertebrate | Estimated | 48 hours | EC50 | 0.08 mg/l |
| trizinc bis(orthophosphate) | 7779-90-0 | Rainbow trout | Estimated | 96 hours | LC50 | 0.33 mg/l |
| trizinc bis(orthophosphate) | 7779-90-0 | Water flea | Estimated | 48 hours | EC50 | 0.12 mg/l |
| trizinc bis(orthophosphate) | 7779-90-0 | Diatom | Estimated | 72 hours | EC50 | 0.04 mg/l |
| trizinc bis(orthophosphate) | 7779-90-0 | Green algae | Estimated | 72 hours | NOEC | 0.01 mg/l |
| trizinc bis(orthophosphate) | 7779-90-0 | Water flea | Estimated | 7 days | NOEC | 0.026 mg/l |

| | | | | | | |
|---------|---------|----------------|--------------|----------|------|----------|
| benzene | 71-43-2 | Green algae | Experimental | 72 hours | EC50 | 100 mg/l |
| benzene | 71-43-2 | Rainbow trout | Experimental | 96 hours | LC50 | 5.3 mg/l |
| benzene | 71-43-2 | Water flea | Experimental | 48 hours | EC50 | 10 mg/l |
| benzene | 71-43-2 | Fathead minnow | Experimental | 32 days | NOEC | 0.8 mg/l |
| benzene | 71-43-2 | Green algae | Experimental | 72 hours | EC10 | 34 mg/l |
| benzene | 71-43-2 | Water flea | Experimental | 7 days | NOEC | 3 mg/l |
| benzene | 71-43-2 | Bacteria | Experimental | 24 hours | IC50 | 13 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|-------------------------------------------------|------------|---------------------------------|----------|-------------------------------|-------------------------------------------------------------------|-------------------------------------|
| Naphtha (petroleum), solvent-refined light | 64741-84-0 | Data not available/insufficient | N/A | N/A | N/A | N/A |
| Butyl rubber | 9010-85-9 | Data not available/insufficient | N/A | N/A | N/A | N/A |
| Resin acids and Rosin acids, calcium zinc salts | 68334-35-0 | Experimental Biodegradation | 28 days | CO2 evolution | 80 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| Mica-group minerals | 12001-26-2 | Data not available/insufficient | N/A | N/A | N/A | N/A |
| toluene | 108-88-3 | Experimental Biodegradation | 20 days | BOD | 80 %BOD/ThOD | APHA Std Meth Water/Wastewater |
| toluene | 108-88-3 | Experimental Photolysis | | Photolytic half-life (in air) | 5.2 days (t 1/2) | |
| ethanol | 64-17-5 | Experimental Biodegradation | 14 days | BOD | 89 %BOD/ThOD | OECD 301C - MITI test (I) |
| Carbon black | 1333-86-4 | Data not available/insufficient | N/A | N/A | N/A | N/A |
| Piperylene - 2-methyl-2-butene polymer | 26813-14-9 | Estimated Biodegradation | 28 days | | 1-17 %CO2 evolution/THCO2 evolution (does not pass 10-day window) | OECD 301B - Modified sturm or CO2 |
| trizinc bis(orthophosphate) | 7779-90-0 | Data not available/insufficient | N/A | N/A | N/A | N/A |
| benzene | 71-43-2 | Experimental Biodegradation | 28 days | BOD | 96 %BOD/ThOD | OECD 301F - Manometric respirometry |
| benzene | 71-43-2 | Experimental Photolysis | | Photolytic half-life (in air) | 26 days (t 1/2) | |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|-------------------------------------------------|------------|-------------------------------------------------------|----------|------------------------|-------------|----------|
| Naphtha (petroleum), solvent-refined light | 64741-84-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Butyl rubber | 9010-85-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Resin acids and Rosin acids, calcium zinc salts | 68334-35-0 | Analogous Compound BCF - Fish | 30 days | Bioaccumulation factor | ≤129 | |
| Resin acids and Rosin acids, | 68334-35-0 | Experimental Bioconcentration | | Log Kow | 1.84 | |

| | | | | | | |
|----------------------------------------|------------|-------------------------------------------------------|----------|------------------------|-------|---------------------|
| calcium zinc salts | | | | | | |
| Mica-group minerals | 12001-26-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| toluene | 108-88-3 | Experimental BCF - Other | 72 hours | Bioaccumulation factor | 90 | |
| toluene | 108-88-3 | Experimental Bioconcentration | | Log Kow | 2.73 | |
| ethanol | 64-17-5 | Experimental Bioconcentration | | Log Kow | -0.35 | |
| Carbon black | 1333-86-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Piperylene - 2-methyl-2-butene polymer | 26813-14-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| benzene | 71-43-2 | Experimental BCF - Other | | Bioaccumulation factor | <10 | similar to OECD 305 |
| benzene | 71-43-2 | Experimental Bioconcentration | | Log Kow | 2.13 | |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|----------|----------|-------------------------------|------------|-------------|----------|
| toluene | 108-88-3 | Experimental Mobility in Soil | Koc | 37-160 l/kg | |
| benzene | 71-43-2 | Experimental Mobility in Soil | Koc | 56.2 l/kg | |

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.

Dispose of waste product in a permitted industrial waste 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 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances
- 20 01 27* Paint, inks, adhesives and resins containing dangerous substances

SECTION 14: Transportation information

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|---------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| 14.1 UN number | UN1866 | UN1866 | UN1866 |
| 14.2 UN proper shipping name | RESIN SOLUTION | RESIN SOLUTION | RESIN SOLUTION(ZINC PHOSPHATE) |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 |
| 14.4 Packing group | II | II | II |
| 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 | F1 | 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> | <u>CAS Nbr</u> | <u>Classification</u> | <u>Regulation</u> |
|-------------------|----------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| benzene | 71-43-2 | Carc. 1A | The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain, UK Mandatory Classification and Labelling list |
| benzene | 71-43-2 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Carbon black | 1333-86-4 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

toluene 108-88-3 Gr. 3: Not classifiable 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 to Annex XVII of regulation (EC) 1907/2006, as amended for GB, with regard to restrictions on the manufacture, placing on the market and use when present in certain dangerous conditions. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

Ingredient **CAS Nbr**

benzene 71-43-2

toluene 108-88-3

Restriction status: listed in UK REACH Annex XVII

Restricted uses: See Annex XVII to Regulation (EC) No 1907/2006 as amended for Great Britain for Conditions of Restriction

Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

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 quantity (tonnes) for the application of | |
|-----------------------------|---------------|-----------------------------------------------------|-------------------------|
| | | Lower-tier requirements | Upper-tier requirements |
| benzene | 71-43-2 | 10 | 50 |
| ethanol | 64-17-5 | 10 | 50 |
| toluene | 108-88-3 | 10 | 50 |
| trizinc bis(orthophosphate) | 7779-90-0 | 100 | 200 |

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

| Chemical | Identifier(s) | Annex I |
|----------|---------------|---------|
| benzene | 71-43-2 | Part 1 |

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

| | |
|-------|--------------------------------------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H340 | May cause genetic defects. |
| H350 | May cause cancer. |
| H361d | Suspected of damaging the unborn child. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| 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. |
| H411 | Toxic to aquatic life with long lasting effects. |
| 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.
GB Section 15: Label remarks and EU Detergent information was added.
GBSDS Section 14 Transport in bulk - Main Heading information was added.
GBSDS Section 14 UN Number information was added.
Industrial Use of Coatings: Section 16: Annex information was deleted.
Professional Use of Coatings: Section 16: Annex information was deleted.
CLP: Ingredient table information was deleted.
Label: CLP Classification information was modified.
Label: CLP Percent Unknown information was deleted.
Label: CLP Precautionary - Disposal information was deleted.
Label: CLP Precautionary - Prevention information was modified.
Label: CLP Precautionary - Response information was deleted.
Section 02: Label Elements: GB Percent Unknown 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 03: SCL table information was added.
Section 03: SCL table information was deleted.
Section 04: Information on toxicological effects information was deleted.
Section 8: 8.2. Exposure controls information information was deleted.
Section 8: 8.2.3. Environmental exposure controls information information was deleted.
Section 8: DNEL table row information was deleted.
Section 8: PNEC table row information was deleted.
Section 09: Kinematic Viscosity information information was modified.
Section 9: Vapour density value information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity 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: Germ Cell Mutagenicity Table information was modified.
Section 11: Health Effects - Additional Information information was deleted.
Section 11: No endocrine disruptor information available warning information was deleted.
Section 11: Reproductive Toxicity 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 added.
Section 11: Target Organs - Repeated Table information was deleted.
Section 11: Target Organs - Single Table information was modified.
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.
Section 12: Mobility in soil information information was added.
Prints No Data if Adverse effects information is not present information was deleted.
Section 12: No Data text for mobility in soil 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: Bioaccumulative potential information information was modified.
Section 14 Classification Code – Regulation Data information was modified.
Section 14 Control Temperature – Regulation Data information was modified.
Section 14 Emergency Temperature – Regulation Data information was modified.
Section 14 Multiplier – Main Heading information was deleted.
Section 14 Multiplier – Regulation Data information was deleted.
Section 14 Other Dangerous Goods – Regulation Data information was modified.
Section 14 Proper Shipping Name information was modified.
Section 14 Segregation – Regulation Data information was modified.
Section 14 Transport Category – Main Heading information was deleted.
Section 14 Transport Category – Regulation Data information was deleted.
Section 14 Transport in bulk – Regulation Data information was modified.
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.
Section 14 Transport Not Permitted – Main Heading information was deleted.
Section 14 Transport Not Permitted – Regulation Data information was deleted.
Section 14 Tunnel Code – Main Heading information was deleted.
Section 14 Tunnel Code – Regulation Data 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.
Section 15: Label remarks and EU Detergent information was deleted.
Section 15: Regulations - Inventories information was added.
Section 15: Seveso Substance Text information was added.
Annex: Prediction of exposure statement 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.
Section 2: No PBT/vPvB information available warning information was added.

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.