

Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

1.1. Product identifier

3M 08878 High Quality Anti-Chip Coating, White

Product Identification Numbers

DS-2729-9117-7

7000070292

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

Identified uses

Coating.

1.3. Details of the supplier of the safety data sheet

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

Telephone: +44 (0)1344 858 000 E Mail: tox.uk@mmm.com Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture CLP REGULATION (EC) No 1272/2008

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 3 - Flam. Liq. 3; H226 Acute Toxicity, Category 4 - Acute Tox. 4; H312

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

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

Carcinogenicity, Category 1B - Carc. 1B; H350

Specific Target Organ Toxicity-Repeated Exposure, Category 2 - STOT RE 2; H373 Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H335 Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

DANGER.

Symbols

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

Pictograms







Ingredients:

| Ingredient | CAS Nbr | EC No. | % by Wt |
|------------------|-----------|-----------|---------|
| xylene | 1330-20-7 | 215-535-7 | 25 - 60 |
| 2-butanone oxime | 96-29-7 | 202-496-6 | < 1 |

HAZARD STATEMENTS:

| H226 | Flammable liquid and vapour. |
|------|-----------------------------------|
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H350 | May cause cancer. |
| H335 | May cause respiratory irritation. |

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

organs.

H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P201 Obtain special instructions before use.

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

P260A Do not breathe vapours.

P280K Wear protective gloves and respiratory protection.

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Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

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

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

EUH208 Contains 2-butanone oxime. May produce an allergic reaction.

Supplemental Precautionary Statements:

Restricted to professional users.

25% of the mixture consists of components of unknown acute oral toxicity.

25% of the mixture consists of components of unknown acute dermal toxicity.

Contains 25% of components with unknown hazards to the aquatic environment.

EU VOC Directive (2004/42/EC) labelling: 2004/42/EC IIB(e)(840)

525 g/L

2.3. Other hazards

None known.

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] |
|---|---|---------|---|
| xylene | (CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (REACH-No.) 01- 2119488216-32 | 25 - 60 | 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 |
| Limestone | (CAS-No.) 1317-65-3 (EC-No.) 215-279-6 | 25 - 50 | Substance with a national occupational exposure limit |
| Alkyd resin | (CAS-No.) 68459-31-4 | 10 - 25 | Substance not classified as hazardous |
| Poly(vinyl chloride-co-isobutyl vinyl ether) | (CAS-No.) 25154-85-2 | 5 - 10 | Substance not classified as hazardous |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | (CAS-No.) 68953-58-2 (EC-No.) 273-219-4 | 1 - 3 | Substance not classified as hazardous |

| Sulphonic acids, C10-21-alkane, phenyl esters | (CAS-No.) 91082-17-6 (EC-No.) 293-728-5 | 1 - 3 | Substance not classified as hazardous |
|---|--|-------|---|
| ethylbenzene | (CAS-No.) 100-41-4 (EC-No.) 202-849-4 (REACH-No.) 01- 2119489370-35 | 1 - 3 | Flam. Liq. 2, H225 Acute Tox. 4, H332 Asp. Tox. 1, H304 STOT RE 2, H373 Aquatic Chronic 3, H412 |
| 2-butanone oxime | (CAS-No.) 96-29-7 (EC-No.) 202-496-6 (REACH-No.) 01- 2119539477-28 | < 1 | Acute Tox. 3, H301(LD50 = 100 mg/kg **ATE values per Annex VI**) Acute Tox. 4, H312(LD50 = 1100 mg/kg **ATE values per Annex VI**) 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. 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.

Eve 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 CLP classification include:

Irritating to the respiratory tract (coughing, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain). Irritation to the skin (localized redness, swelling, itching, and dryness). Harmful in contact with skin. Serious irritation to the eyes (significant redness, swelling, pain, tearing, and impaired vision). Target organ effects. See Section 11 for additional details.

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

SubstanceConditionCarbon monoxideDuring combustion.Carbon dioxide.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. 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

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. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) 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. 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 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 ethylbenzene | CAS Nbr 100-41-4 | Agency UK HSC | Limit type TWA:441 mg/m3(100 ppm);STEL:552 mg/m3(125 ppm) | Additional comments SKIN |
|-------------------------|---------------------|-------------------------|--|-----------------------------|
| Limestone | 1317-65-3 | UK HSC | TWA(respirable):4 mg/m3;TWA(as respirable dust):4 mg/m3;TWA(Inhalable):10 mg/m3;TWA(as inhalable dust):10 mg/m3 | |
| xylene | 1330-20-7 | UK HSC | TWA:220 mg/m3(50 ppm);STEL:441 mg/m3(100 ppm) | SKIN |

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 | |
| • | 20-7 | BMGVs | hippuric acid | urine | | | |
| LIV EHAO DMCVa - LIV | EII40 Dial | agiaal Manitarina (| Suidanaa Valuaa (DA | (CVa) | | | |

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

EOS: End of shift.

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

8.2. Exposure controls

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation 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 TimePolymer 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 - polymer laminate

Respiratory protection

In case of inadequate ventilation wear 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 stateLiquid.ColourWhite

Odor Characteristic Odour
Odour threshold No data available.
Melting point/freezing point

Melting point/freezing pointNot applicable.Boiling point/boiling range135 °C

Flammability (solid, gas)

Flammable Limits(LEL)

Not applicable.
1 %

Flammable Limits(UEL) 7 %
Flash point 24 °C
Autoignition temperature 500 °C

Decomposition temperatureNo data available.

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pH substance/mixture is non-soluble (in water)

Nil

Kinematic Viscosity 1,833.3333 mm²/sec

Water solubility

Solubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Vapour pressure0.6 kPa [@, 20 °C]

Density 1.2 g/cm³

Relative density 1.2 [Ref Std: WATER=1]

Relative Vapor Density *No data available.*

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds Evaporation rateNo data available.

No data available.

Percent volatile 43.6 %

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.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Substance Condition

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

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

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

May be harmful in contact with skin. Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eve contact

Contact with the eyes during product use is not expected to result in significant irritation. Vapours released during curing may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion

May be harmful if swallowed.

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.

Prolonged or repeated exposure may cause target organ effects:

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

Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

| Name | Route | Species | Value |
|--|---------------------------------------|-----------------------------------|--|
| Overall product | Dermal | | No data available; calculated ATE2,000 - 5,000 mg/kg |
| Overall product | Inhalation- Vapour(4 hr) | | No data available; calculated ATE >50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE2,000 - 5,000 mg/kg |
| xylene | Dermal | Rabbit | LD50 > 4,200 mg/kg |
| Limestone | Dermal | Rat | LD50 > 2,000 mg/kg |
| Limestone | Inhalation- Dust/Mist (4 hours) | Rat | LC50 3 mg/l |
| Limestone | Ingestion | Rat | LD50 6,450 mg/kg |
| xylene | Inhalation- Vapour (4 hours) | Rat | LC50 29 mg/l |
| xylene | Ingestion | Rat | LD50 3,523 mg/kg |
| Poly(vinyl chloride-co-isobutyl vinyl ether) | Dermal | Professio nal judgeme nt | LD50 estimated to be 2,000 - 5,000 mg/kg |

| Poly(vinyl chloride-co-isobutyl vinyl ether) | Ingestion | Rat | LD50 > 2,000 mg/kg |
|---|---------------------------------------|--------------------------------|------------------------------------|
| ethylbenzene | Dermal | Rabbit | LD50 15,433 mg/kg |
| ethylbenzene | Inhalation- Vapour (4 | Rat | LC50 17.4 mg/l |
| | hours) | | |
| ethylbenzene | Ingestion | Rat | LD50 4,769 mg/kg |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | Inhalation- Dust/Mist (4 hours) | Rat | LC50 > 12.6 mg/l |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Sulphonic acids, C10-21-alkane, phenyl esters | Dermal | Rat | LD50 > 1,055 mg/kg |
| Sulphonic acids, C10-21-alkane, phenyl esters | Ingestion | Rat | LD50 > 15,825 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 |
|---|---------|---------------------------|
| | - | |
| Limestone | Rabbit | No significant irritation |
| xylene | Rabbit | Mild irritant |
| ethylbenzene | Rabbit | Mild irritant |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | Rat | No significant irritation |
| Sulphonic acids, C10-21-alkane, phenyl esters | Human | No significant irritation |
| | and | |
| | animal | |
| 2-butanone oxime | Rabbit | Irritant |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|---------|---------------------------|
| | | |
| Limestone | Rabbit | No significant irritation |
| xylene | Rabbit | Mild irritant |
| ethylbenzene | Rabbit | Moderate irritant |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts | Rabbit | No significant irritation |
| with bentonite | | |
| Sulphonic acids, C10-21-alkane, phenyl esters | Rabbit | No significant irritation |
| 2-butanone oxime | Rabbit | Corrosive |

Skin Sensitisation

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

| xylene | In Vitro | Not mutagenic |
|---|----------|--|
| xylene | In vivo | Not mutagenic |
| Poly(vinyl chloride-co-isobutyl vinyl ether) | In Vitro | Not mutagenic |
| ethylbenzene | In vivo | Not mutagenic |
| ethylbenzene | In Vitro | Some positive data exist, but the data are not |
| | | sufficient for classification |
| Sulphonic acids, C10-21-alkane, phenyl esters | In Vitro | Not mutagenic |
| 2-butanone oxime | In Vitro | Not mutagenic |
| 2-butanone oxime | In vivo | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|------------------|------------|-------------------------------|--|
| 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 |
| ethylbenzene | Inhalation | Multiple animal species | Carcinogenic. |
| 2-butanone oxime | Inhalation | Multiple animal species | Carcinogenic. |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|--|-------------------------------|------------------------|------------------------------|
| Limestone | Ingestion | Not classified for development | Rat | NOAEL 625 mg/kg/day | premating & during gestation |
| 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 |
| ethylbenzene | Inhalation | Not classified for development | Rat | NOAEL 4.3 mg/l | premating & during gestation |
| Sulphonic acids, C10-21-alkane, phenyl esters | Ingestion | Not classified for female reproduction | Rat | NOAEL 530 mg/kg/day | 1 generation |
| Sulphonic acids, C10-21-alkane, phenyl esters | Ingestion | Not classified for development | Rat | NOAEL 530 mg/kg/day | 1 generation |
| 2-butanone oxime | 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 |
|------|-------|-----------------|-------|---------|-------------|----------------------|
| | | | | l . | | Duration |

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| Limestone | Inhalation | respiratory system | Not classified | Rat | NOAEL 0.812 mg/l | 90 minutes |
|------------------|------------|--------------------------------------|--|-----------------------------------|------------------------|----------------|
| 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 |
| ethylbenzene | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| ethylbenzene | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for and classification anima | | NOAEL Not available | |
| ethylbenzene | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professio nal judgeme nt | NOAEL Not available | |
| 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 | |
|-----------|------------|--|--|-------------------------------|-----------------------------|-----------------------|--|
| Limestone | Inhalation | respiratory system | Not classified | Human | NOAEL Not available | occupational exposure | |
| 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 | Not classified | Mouse | NOAEL 1,000 mg/kg/day | 103 weeks | |

D 10 C 0

| | 1 | T | I | 1 | 1 | 1 |
|---|------------|---|--|-------------------------------|-----------------------------|-----------|
| | | hematopoietic system immune system nervous system respiratory | | | | |
| ethylbenzene | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1.1 mg/l | 2 years |
| ethylbenzene | Inhalation | liver | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL 1.1 mg/l | 103 weeks |
| ethylbenzene | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 3.4 mg/l | 28 days |
| ethylbenzene | Inhalation | auditory system | Not classified | Rat | NOAEL 2.4 mg/l | 5 days |
| ethylbenzene | Inhalation | endocrine system | Not classified | Mouse | NOAEL 3.3 mg/l | 103 weeks |
| ethylbenzene | Inhalation | gastrointestinal tract | Not classified | Rat | NOAEL 3.3 mg/l | 2 years |
| ethylbenzene | Inhalation | bone, teeth, nails, and/or hair muscles | Not classified | Multiple animal species | NOAEL 4.2 mg/l | 90 days |
| ethylbenzene | Inhalation | heart immune system respiratory system | Not classified | Multiple animal species | NOAEL 3.3 mg/l | 2 years |
| ethylbenzene | Ingestion | liver kidney and/or bladder | Not classified | Rat | NOAEL 680 mg/kg/day | 6 months |
| Sulphonic acids, C10-21-alkane, phenyl esters | Ingestion | liver kidney and/or bladder | Not classified | Rat | NOAEL 1,490 mg/kg/day | 90 days |
| 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 | |
|--------------|-------------------|--|
| xylene | Aspiration hazard | |
| ethylbenzene | 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 EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

| Material | CAS# | Organism | Type | Exposure | Test endpoint | Test result |
|---|------------|---------------------|---|----------|---------------|-------------|
| 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 |
| Limestone | 1317-65-3 | Green algae | Estimated | 72 hours | EC50 | >100 mg/l |
| Limestone | 1317-65-3 | Rainbow trout | Estimated | 96 hours | LC50 | >100 mg/l |
| Limestone | 1317-65-3 | Water flea | Estimated | 48 hours | EC50 | >100 mg/l |
| Limestone | 1317-65-3 | Green algae | Estimated | 72 hours | EC10 | >100 mg/l |
| Alkyd resin | 68459-31-4 | | Data not available or insufficient for classification | | | N/A |
| Poly(vinyl chloride-co- isobutyl vinyl ether) | 25154-85-2 | Water flea | Experimental | 48 hours | EC50 | >100 mg/l |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | 68953-58-2 | Activated sludge | Estimated | 3 hours | EC50 | >300 mg/l |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | 68953-58-2 | Green algae | Estimated | 72 hours | EC50 | >100 mg/l |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | 68953-58-2 | Water flea | Estimated | 48 hours | EC50 | >100 mg/l |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | 68953-58-2 | Zebra Fish | Estimated | 96 hours | LC50 | >100 mg/l |
| ethylbenzene | 100-41-4 | Activated sludge | Experimental | 49 hours | EC50 | 130 mg/l |
| ethylbenzene | 100-41-4 | Atlantic Silverside | Experimental | 96 hours | LC50 | 5.1 mg/l |
| ethylbenzene | 100-41-4 | Green Algae | Experimental | 96 hours | EC50 | 3.6 mg/l |

| ethylbenzene | 100-41-4 | Mysid Shrimp | Experimental | 96 hours | LC50 | 2.6 mg/l |
|--|------------|------------------|--------------|----------|------|-------------|
| ethylbenzene | 100-41-4 | Rainbow trout | Experimental | 96 hours | LC50 | 4.2 mg/l |
| ethylbenzene | 100-41-4 | Water flea | Experimental | 48 hours | EC50 | 1.8 mg/l |
| ethylbenzene | 100-41-4 | Water flea | Experimental | 7 days | NOEC | 0.96 mg/l |
| Sulphonic acids, C10- 21-alkane, phenyl esters | 91082-17-6 | Activated sludge | Experimental | | EC50 | 10,000 mg/l |
| Sulphonic acids, C10- 21-alkane, phenyl esters | 91082-17-6 | Green algae | Experimental | 72 hours | EC50 | >100 mg/l |
| Sulphonic acids, C10- 21-alkane, phenyl esters | 91082-17-6 | Water flea | Experimental | 48 hours | EC50 | >100 mg/l |
| Sulphonic acids, C10- 21-alkane, phenyl esters | 91082-17-6 | Zebra Fish | Experimental | 96 hours | LC50 | >100 mg/l |
| Sulphonic acids, C10- 21-alkane, phenyl esters | 91082-17-6 | Green algae | Experimental | 72 hours | NOEC | 100 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 |
|---|------------|-----------------------------------|----------|-------------------------------|---|-------------------------------------|
| xylene | 1330-20-7 | Experimental Photolysis | | Photolytic half-life (in air) | 1.4 days (t 1/2) | |
| xylene | 1330-20-7 | Experimental Biodegradation | 28 days | BOD | 90-98 % BOD/ThBOD | OECD 301F - Manometric respirometry |
| Limestone | 1317-65-3 | Data not availbl- insufficient | | | N/A | |
| Alkyd resin | 68459-31-4 | Data not availbl- insufficient | | | N/A | |
| Poly(vinyl chloride-co- isobutyl vinyl ether) | 25154-85-2 | Data not availbl- insufficient | | | N/A | |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | 68953-58-2 | Estimated Biodegradation | 28 days | BOD | 3 % BOD/ThBOD | OECD 301D - Closed bottle test |
| ethylbenzene | 100-41-4 | Experimental Photolysis | | Photolytic half-life (in air) | 4.26 days (t 1/2) | Non-standard method |
| ethylbenzene | 100-41-4 | Experimental Biodegradation | 28 days | CO2 evolution | 70-80 %CO2 evolution/THC O2 evolution | ISO 14593 Inorg C Headspace |
| Sulphonic acids, C10-21- alkane, phenyl esters | 91082-17-6 | Experimental Biodegradation | 28 days | BOD | 49 % weight | |
| 2-butanone oxime | 96-29-7 | Estimated Photolysis | | Photolytic half-life (in air) | 21.6 days (t 1/2) | Non-standard method |
| 2-butanone oxime | 96-29-7 | Experimental Hydrolysis | | Hydrolytic half-life | 18 days (t 1/2) | Non-standard method |
| 2-butanone oxime | 96-29-7 | Experimental | 21 days | BOD | 14.5 % | Non-standard method |

| Biodegradation | | BOD/ThBOD | |
|----------------|--|-----------|--|

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|---|------------|---|----------|------------------------|-------------|--------------------------------|
| xylene | 1330-20-7 | Experimental BCF - Rainbow Trout | 56 days | Bioaccumulation factor | 25.9 | |
| Limestone | 1317-65-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Alkyd resin | 68459-31-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Poly(vinyl chloride-co- isobutyl vinyl ether) | 25154-85-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite | 68953-58-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| ethylbenzene | 100-41-4 | Experimental BCF - Salmon | 42 days | Bioaccumulation factor | 1 | Non-standard method |
| Sulphonic acids, C10-21-alkane, phenyl esters | 91082-17-6 | Experimental BCF- Carp | 36 days | Bioaccumulation factor | 56-212 | |
| 2-butanone oxime | 96-29-7 | Experimental BCF- Carp | 42 days | Bioaccumulation factor | <5.8 | OECD 305C-Bioaccum degree fish |

12.4. Mobility in soil

No test data available.

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. Endocrine disrupting properties

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

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

As a disposal alternative, Incinerate in a permitted waste incineration facility. Dispose of completely cured (or polymerized) material 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 01 11* Waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transportation information

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|---|--|--|--|
| 14.1 UN number | UN1139 | UN1139 | UN1139 |
| 14.2 UN proper shipping name | COATING SOLUTION | COATING SOLUTION | COATING SOLUTION |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 |
| 14.4 Packing group | III | III | III |
| 14.5 Environmental hazards | Not Environmentally Hazardous | Not applicable | Not a 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 Tunnel Code | (E) | Not Applicable | Not Applicable |
| ADR Classification Code | F1 | Not Applicable | Not Applicable |
| ADR Transport Category | 3 | Not Applicable | Not Applicable |
| ADR Multiplier | 0 | 0 | 0 |
| IMDG Segregation Code | Not applicable. | Not Applicable | NONE |
| Transport not Permitted | Not applicable. | Not Applicable | Not Applicable |
| | | | |

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 |
|-------------------|-----------|-------------------------|------------------------|
| ethylbenzene | 100-41-4 | Grp. 2B: Possible humar | International Agency |
| | | carc. | for Research on Cancer |
| 2-butanone oxime | 96-29-7 | Carc. 1B | Regulation (EC) No. |
| | | | 1272/2008, Table 3.1 |
| xylene | 1330-20-7 | Gr. 3: Not classifiable | International Agency |
| | | | for Research on Cancer |

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.

SECTION 16: Other information

List of relevant H statements

| H225 | Highly flammable liquid and vapour. |
|------|---|
| H226 | Flammable liquid and vapour. |
| 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. |
| 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 |
| | organs. |
| H412 | Harmful to aquatic life with long lasting effects. |

Revision information:

EU Section 09: pH information information was added.

CLP: Ingredient table information was modified.

Label: CLP Classification information was modified.

Label: CLP Precautionary - Disposal information was deleted.

Label: CLP Precautionary - Prevention information was modified.

Label: CLP Precautionary - Response information was modified.

Label: CLP Target Organ Hazard Statement information was modified.

Label: Signal Word information was modified.

List of sensitizers information was modified.

Section 02: SDS Elements: CLP Supplemental Precautionary Statements information was added.

Section 03: Composition table % Column heading information was added.

Section 3: Composition/Information of ingredients table information was modified.

Section 03: Substance not applicable information was added.

Section 04: First Aid - Symptoms and Effects (CLP) information was added.

Section 04: Information on toxicological effects information was modified.

Section 8: BLV table information was modified.

Section 8: Occupational exposure limit table information was modified.

Section 8: Personal Protection - Respiratory Information information was modified.

Section 9: Evaporation Rate information information was deleted.

Section 9: Explosive properties information information was deleted.

Section 09: Kinematic Viscosity information information was added.

Section 9: Melting point information information was modified.

Section 9: Oxidising properties information information was deleted.

Section 9: pH information information was deleted.

Section 9: Property description for optional properties information was modified.

Section 9: Vapour density value information was added.

Section 9: Vapour density value information was deleted.

Section 9: Viscosity information information was deleted.

Section 11: Acute Toxicity table information was modified.

Section 11: Aspiration Hazard Table information was modified.

Section 11: Carcinogenicity Table information was modified.

Section 11: Classification disclaimer information was modified.

Section 11: Germ Cell Mutagenicity Table information was modified.

Lactation Table information was modified.

Section 11: No endocrine disruptor information available warning information was added.

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 modified.

Section 11: Target Organs - Single Table information was modified.

Section 12: 12.6. Endocrine Disrupting Properties information was added.

Section 12: 12.7. Other adverse effects information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: Contact manufacturer for more detail. information was deleted.

Section 12: No Data text for mobility in soil information was added.

Section 12: No endocrine disruptor information available warning information was added.

Section 12: Persistence and Degradability information information was modified.

Section 12:Bioccumulative potential information information was modified.

Section 13: Standard Phrase Category Waste GHS information was modified.

Section 14 Classification Code – Main Heading information was added.

Section 14 Classification Code – Regulation Data information was added.

Section 14 Control Temperature – Main Heading information was added.

Section 14 Control Temperature – Regulation Data information was added.

Section 14 Disclaimer Information information was added.

Section 14 Emergency Temperature – Main Heading information was added.

Section 14 Emergency Temperature – Regulation Data information was added.

Section 14 Hazard Class + Sub Risk – Main Heading information was added.

Section 14 Hazard Class + Sub Risk – Regulation Data information was added.

Section 14 Hazardous/Not Hazardous for Transportation information was added.

Section 14 Multiplier – Main Heading information was added.

Section 14 Multiplier – Regulation Data information was added.

Section 14 Other Dangerous Goods – Main Heading information was added.

3M 08878 High Quality Anti-Chip Coating, White

Section 14 Other Dangerous Goods – Regulation Data information was added.

Section 14 Packing Group – Main Heading information was added.

Section 14 Packing Group – Regulation Data information was added.

Section 14 Proper Shipping Name information was added.

Section 14 Regulations – Main Headings information was added.

Section 14 Segregation – Regulation Data information was added.

Section 14 Segregation Code – Main Heading information was added.

Section 14 Special Precautions – Main Heading information was added.

Section 14 Special Precautions – Regulation Data information was added.

Section 14 Transport Category – Main Heading information was added.

Section 14 Transport Category – Regulation Data information was added.

Section 14 Transport in bulk – Regulation Data information was added.

Section 14 Transport in bulk according to Annex II of Marpol and the IBC Code - Main Heading information was added.

Section 14 Transport Not Permitted – Main Heading information was added.

Section 14 Transport Not Permitted – Regulation Data information was added.

Section 14 Tunnel Code – Main Heading information was added.

Section 14 Tunnel Code – Regulation Data information was added.

Section 14 UN Number Column data information was added.

Section 14 UN Number information was added.

Section 15: Carcinogenicity information information was modified.

Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.

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