# Safety Data Sheet



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|---|---|---|---|
| **Document group:** | 05-7424-4 | **Version number:** | 14.00 |
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**Transportation version number:** 1.01 (29/09/2011)

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 08537 Brushable Seam Sealer

**Product identification numbers**

FS-9100-3115-2

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

**Identified uses**

Automotive.

### 1.3. Details of the supplier of the substance or mixture

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

**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

**Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive**
**Indication of danger**

Highly flammable; F; R11
Toxic for reproduction; Repr. Cat. 3; R63
Irritant; Xi; R36
Harmful; Xn; R48/20
R66
R67

For full text of R phrases, see Section 16.

### 2.2. Label elements

**Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive**

**Symbol(s)**


Highly Flammable


Harmful

**Contains:**
Toluene

**Risk phrases**

| | |
|---|---|
| R11 | Highly flammable. |
| R36 | Irritating to eyes. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R67 | Vapours may cause drowsiness and dizziness. |
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| R63 | Possible risk of harm to the unborn child. |

**Safety phrases**

| | |
|---|---|
| S16 | Keep away from sources of ignition - No Smoking. |
| S23A | Do not breathe vapour. |
| S36/37 | Wear suitable protective clothing and gloves. |

**EU VOC Directive (2004/42/EC) labelling:**2004/42/EC IIB(e)(840)
470g/l

**Notes on labelling**
R65 is not required on the label due to the product's viscosity.

### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | EU Inventory | % by Wt | Classification |
|---|---|---|---|---|
| Limestone | 1317-65-3 | EINECS 215-279-6 | 15 - 40 | |
| Acrylonitrile - butadiene polymer | 9003-18-3 | | 10 < 30 | |
| Butanone | 78-93-3 | EINECS 201-159-0 | 10 - 30 | F:R11; Xi:R36; R66; R67 (EU)<br><br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066 (CLP) |
| Toluene | 108-88-3 | EINECS 203-625-9 | 7 - 13 | Repr.Cat.3:R63; F:R11; Xn:R48/20; Xn:R65; Xi:R38; R67 - Nota 4 (EU)<br><br>Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Repr. 2, H361d; STOT SE 3, H336; |

| | | | | |
|---|---|---|---|---|
| | | | | STOT RE 1, H372 (CLP) |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | 25085-50-1 | | 5 - 10 | |
| 4-Methylpentan-2-one | 108-10-1 | EINECS 203-550-1 | 5 - 10 | F:R11; Xn:R20; Xi:R36-37; R66 (EU)<br><br>Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335; EUH066 (CLP) |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | 152286-38-9 | | 1 - 5 | |
| Poly(Vinyl Chloride) | 9002-86-2 | | 1 - 5 | |
| Quartz | 14808-60-7 | EINECS 238-878-4 | < 1 | Xn:R48/20 (Vendor)<br><br>STOT RE 1, H372 (Self Classified) |
| 2,6-Di-tert-butyl-p-cresol | 128-37-0 | EINECS 204-881-4 | < 1 | STOT RE 2, H373; Aquatic Chronic 2, H411 (Self Classified) |

Please see section 16 for the full text of any R phrases and H statements referred to in this section
Please refer to section 15 for the any applicable Notas that have been applied to the above components

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**
Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

**If swallowed**
Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**
See Section 11.1 Information on toxicological effects

**4.3. Indication of any immediate medical attention and special treatment required**
Not applicable

## SECTION 5: Fire-fighting measures

**5.1. Extinguishing media**
In case of fire: Use a fire fighting agent suitable for flammable liquids and solids 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 | Condition |
|---|---|
| Carbon monoxide. | During combustion. |
| Carbon dioxide. | During combustion. |
| Irritant vapours or gases. | 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.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Evacuate area. Eliminate all ignition sources if safe to do so. 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 designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR-AFFF type foam is recommended. 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 or professional use only. Do not use in a confined area or areas with little or no air movement. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. 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.

**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**

| Ingredient | CAS Nbr | Agency | Limit type | Additional comments |
|---|---|---|---|---|
| 4-Methylpentan-2-one | 108-10-1 | Health and Safety Comm. (UK) | TWA:208 mg/m3(50 ppm);STEL:416 mg/m3(100 ppm) | Skin Notation |
| Toluene | 108-88-3 | Health and Safety Comm. (UK) | TWA: 191 mg/m³ (50 ppm); STEL: 384 mg/m³ (100 ppm) | Skin Notation |
| 2,6-Di-tert-butyl-p-cresol | 128-37-0 | Health and Safety Comm. (UK) | TWA:10 mg/m³ | |
| Limestone | 1317-65-3 | Health and Safety Comm. (UK) | TWA(as inhalable dust):10 mg/m3;TWA(as respirable dust):4 mg/m3;TWA(Inhalable):10 mg/m3;TWA(respirable):4 mg/m3 | |
| Silica, crystalline (airborne particles of respirable size) | 14808-60-7 | Health and Safety Comm. (UK) | TWA(respirable):0.1 mg/m3 | |
| Butanone | 78-93-3 | Health and Safety Comm. (UK) | TWA: 600 mg/m³ (200 ppm); STEL: 899 mg/m³ (300 ppm) | Skin Notation |
| Poly(Vinyl Chloride) | 9002-86-2 | Health and Safety Comm. (UK) | TWA(as inhalable dust):10 mg/m³;TWA(as respirable dust):4 mg/m³ | |

Health and Safety Comm. (UK) : UK Health and Safety Commission
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
ppm: parts per million
mg/m³: milligrams per cubic metre
CEIL: Ceiling

**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**

Wear eye/face protection.
The following eye protection(s) are recommended: Indirect vented goggles.

**Skin/hand protection**

Wear protective gloves.
Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment.
Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.
Gloves made from the following material(s) are recommended: Polyvinyl alcohol (PVA).
Polymer laminate

**Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

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

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid. |
| **Specific Physical Form:** | Paste |
| **Appearance/Odour** | Ketone odour; Grey paste |
| **Odour threshold** | *No data available.* |
| **pH** | *Not applicable.* |
| **Boiling point/boiling range** | >= 78.5 ºC [*Details:*MEK] |
| **Melting point** | *Not applicable.* |
| **Flammability (solid, gas)** | Not applicable. |
| **Explosive properties** | Not classified |
| **Oxidising properties** | Not classified |
| **Flash point** | >= -4 ºC [*Details:*MEK] |
| **Autoignition temperature** | *No data available.* |
| **Flammable Limits(LEL)** | *No data available.* |
| **Flammable Limits(UEL)** | *No data available.* |
| **Vapour pressure** | *No data available.* |
| **Relative density** | 1.18 [*Ref Std:*WATER=1] |
| **Water solubility** | *No data available.* |
| **Water solubility** | *No data available.* |
| **Solubility- non-water** | *No data available.* |
| **Partition coefficient: n-octanol/water** | *No data available.* |
| **Evaporation rate** | *No data available.* |
| **Vapour density** | *No data available.* |
| **Decomposition temperature** | *No data available.* |
| **Viscosity** | 800 - 2,000 Pa-s |
| **Density** | 1.18 g/cm3 |

**9.2. Other information**

| | |
|---|---|
| **Volatile organic compounds (VOC)** | 35 - 40 % weight |
| **Percent volatile** | 35 - 40 % |
| **VOC less H2O & exempt solvents** | *No data available.* |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

**10.2 Chemical stability**
Stable.

**10.3 Possibility of hazardous reactions**
Hazardous polymerisation will not occur.

**10.4 Conditions to avoid**
Heat.
Sparks and/or flames.

**10.5 Incompatible materials**
Strong oxidising agents.

**10.6 Hazardous decomposition products**

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

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

**The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.**

**11.1 Information on Toxicological effects**

**Signs and Symptoms of Exposure**

**Based on test data and/or information on the components, this material may produce the following health effects:**

**Inhalation**
May be harmful if inhaled. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause target organ effects after inhalation.

**Skin contact**
Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

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

**Ingestion**
Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause target organ effects after ingestion.

**Target Organ Effects:**

**Single exposure may cause:**
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:**
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.

**Toxicological Data**

**Acute Toxicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Overall product | Inhalation-Vapor(4 hr) | | Data not available or insufficient for classification; calculated ATE46.3 mg/l |
| Overall product | Ingestion | | Data not available or insufficient for classification; calculated ATE >5,000 mg/kg |
| Limestone | Dermal | Rat | LD50 > 2,000 mg/kg |
| Limestone | Inhalation-Dust/Mist (4 hours) | Rat | LC50 3.0 mg/l |
| Limestone | Ingestion | Rat | LD50 6,450 mg/kg |
| Butanone | Dermal | Rabbit | LD50 > 8,050 mg/kg |
| Butanone | Inhalation-Vapor (4 hours) | Rat | LC50 34.5 mg/l |
| Butanone | Ingestion | Rat | LD50 2,737 mg/kg |
| Toluene | Dermal | Rat | LD50 12,000 mg/kg |
| Toluene | Inhalation-Vapor (4 hours) | Rat | LC50 30 mg/l |
| Toluene | Ingestion | Rat | LD50 2,600 mg/kg |
| Acrylonitrile - butadiene polymer | Dermal | Rabbit | LD50 > 15,000 mg/kg |
| Acrylonitrile - butadiene polymer | Ingestion | Rat | LD50 > 30,000 mg/kg |
| 4-Methylpentan-2-one | Dermal | Rabbit | LD50 > 16,000 mg/kg |
| 4-Methylpentan-2-one | Inhalation-Vapor (4 hours) | Rat | LC50 >8.2,<16.4 mg/l |
| 4-Methylpentan-2-one | Ingestion | Rat | LD50 3,038 mg/kg |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | Ingestion | Rat | LD50 5,660 mg/kg |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | | Data not available or insufficient for classification |
| Poly(Vinyl Chloride) | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Poly(Vinyl Chloride) | Ingestion | | LD50 estimated to be > 5,000 mg/kg |
| 2,6-Di-tert-butyl-p-cresol | Dermal | Rat | LD50 > 2,000 mg/kg |
| 2,6-Di-tert-butyl-p-cresol | Ingestion | Rat | LD50 > 2,930 mg/kg |
| Quartz | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Quartz | Ingestion | | LD50 estimated to be > 5,000 mg/kg |

ATE = acute toxicity estimate

**3M 08537 Brushable Seam Sealer**

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Limestone | Rabbit | No significant irritation |
| Butanone | Rabbit | Minimal irritation |
| Toluene | Rabbit | Irritant |
| Acrylonitrile - butadiene polymer | | No significant irritation |
| 4-Methylpentan-2-one | Rabbit | Mild irritant |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | | Data not available or insufficient for classification |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | Data not available or insufficient for classification |
| Poly(Vinyl Chloride) | | No significant irritation |
| 2,6-Di-tert-butyl-p-cresol | Human and animal | Minimal irritation |
| Quartz | | No significant irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Limestone | Rabbit | No significant irritation |
| Butanone | Rabbit | Severe irritant |
| Toluene | Rabbit | Moderate irritant |
| Acrylonitrile - butadiene polymer | | No significant irritation |
| 4-Methylpentan-2-one | Rabbit | Mild irritant |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | | Data not available or insufficient for classification |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | Data not available or insufficient for classification |
| Poly(Vinyl Chloride) | | Data not available or insufficient for classification |
| 2,6-Di-tert-butyl-p-cresol | Rabbit | Mild irritant |
| Quartz | | Data not available or insufficient for classification |

**Skin Sensitisation**

| Name | Species | Value |
|---|---|---|
| Limestone | | Data not available or insufficient for classification |
| Butanone | | Data not available or insufficient for classification |
| Toluene | Guinea pig | Not sensitizing |
| Acrylonitrile - butadiene polymer | | Data not available or insufficient for classification |
| 4-Methylpentan-2-one | Guinea pig | Not sensitizing |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | | Data not available or insufficient for classification |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | Data not available or insufficient for classification |
| Poly(Vinyl Chloride) | | Data not available or insufficient for classification |
| 2,6-Di-tert-butyl-p-cresol | Human | Some positive data exist, but the data are not sufficient for classification |
| Quartz | | Data not available or insufficient for classification |

**Respiratory Sensitisation**

| Name | Species | Value |
|---|---|---|
| Limestone | | Data not available or insufficient for classification |
| Butanone | | Data not available or insufficient for classification |

| | | |
|---|---|---|
| Toluene | | Data not available or insufficient for classification |
| Acrylonitrile - butadiene polymer | | Data not available or insufficient for classification |
| 4-Methylpentan-2-one | | Data not available or insufficient for classification |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | | Data not available or insufficient for classification |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | Data not available or insufficient for classification |
| Poly(Vinyl Chloride) | | Data not available or insufficient for classification |
| 2,6-Di-tert-butyl-p-cresol | | Data not available or insufficient for classification |
| Quartz | | Data not available or insufficient for classification |

**Germ Cell Mutagenicity**

| Name | Route | Value |
|---|---|---|
| Limestone | | Data not available or insufficient for classification |
| Butanone | In Vitro | Not mutagenic |
| Toluene | In Vitro | Not mutagenic |
| Toluene | In vivo | Not mutagenic |
| Acrylonitrile - butadiene polymer | | Data not available or insufficient for classification |
| 4-Methylpentan-2-one | In Vitro | Not mutagenic |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | | Data not available or insufficient for classification |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | Data not available or insufficient for classification |
| Poly(Vinyl Chloride) | In Vitro | Not mutagenic |
| 2,6-Di-tert-butyl-p-cresol | In Vitro | Not mutagenic |
| 2,6-Di-tert-butyl-p-cresol | In vivo | Not mutagenic |
| Quartz | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Quartz | In vivo | Some positive data exist, but the data are not sufficient for classification |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Limestone | | | Data not available or insufficient for classification |
| Butanone | Inhalation | Human | Not carcinogenic |
| 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 |
| Acrylonitrile - butadiene polymer | | | Data not available or insufficient for classification |
| 4-Methylpentan-2-one | Inhalation | Multiple animal species | Carcinogenic. |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | | | Data not available or insufficient for classification |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | | Data not available or insufficient for classification |
| Poly(Vinyl Chloride) | Not specified. | Rat | Some positive data exist, but the data are not sufficient for classification |

| | | | |
|---|---|---|---|
| 2,6-Di-tert-butyl-p-cresol | Ingestion | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| Quartz | Inhalation | Human and animal | Carcinogenic. |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| Limestone | Ingestion | Not toxic to development | Rat | NOAEL 625 mg/kg/day | premating & during gestation |
| Butanone | Inhalation | Not toxic to female reproduction | Rat | NOAEL 14.7 mg/l | 90 days |
| Butanone | Inhalation | Not toxic to male reproduction | Rat | NOAEL 14.7 mg/l | 90 days |
| Butanone | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Rat | LOAEL 8.8 mg/l | during gestation |
| Toluene | Inhalation | Some positive female reproductive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| Toluene | Inhalation | Some positive male reproductive data exist, but the data are not sufficient for classification | Rat | NOAEL 2.3 mg/l | 1 generation |
| 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 |
| Acrylonitrile - butadiene polymer | | Data not available or insufficient for classification | | | |
| 4-Methylpentan-2-one | Inhalation | Not toxic to female reproduction | Multiple animal species | NOAEL 8.2 mg/l | 2 generation |
| 4-Methylpentan-2-one | Ingestion | Some positive male reproductive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,000 mg/kg/day | 13 weeks |
| 4-Methylpentan-2-one | Inhalation | Some positive male reproductive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 8.2 mg/l | 2 generation |
| 4-Methylpentan-2-one | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Mouse | NOAEL 12.3 mg/l | during organogenesis |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | | Data not available or insufficient for classification | | | |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | Data not available or insufficient for classification | | | |

| | | | | | |
|---|---|---|---|---|---|
| Poly(Vinyl Chloride) | Not specified. | Not toxic to development | Mouse | NOAEL Not available | during gestation |
| 2,6-Di-tert-butyl-p-cresol | Ingestion | Not toxic to female reproduction | Rat | NOAEL 500 mg/kg/day | 2 generation |
| 2,6-Di-tert-butyl-p-cresol | Ingestion | Not toxic to male reproduction | Rat | NOAEL 500 mg/kg/day | 2 generation |
| 2,6-Di-tert-butyl-p-cresol | Ingestion | Some positive developmental data exist, but the data are not sufficient for classification | Rat | NOAEL 100 mg/kg/day | 2 generation |
| Quartz | | Data not available or insufficient for classification | | | |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Limestone | Inhalation | respiratory system | All data are negative | Rat | NOAEL 0.812 mg/l | 90 minutes |
| Butanone | Inhalation | central nervous system depression | May cause drowsiness or dizziness | official classification | NOAEL Not available | |
| Butanone | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| Butanone | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL Not available | not applicable |
| Butanone | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 1,080 mg/kg | not applicable |
| 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 | Some positive data exist, but the data are not sufficient for classification | 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 |
| Acrylonitrile - butadiene polymer | | | Data not available or insufficient for classification | | | |
| 4-Methylpentan | Inhalation | central nervous system | May cause drowsiness or | Human | LOAEL 0.10 mg/l | 2 hours |

| | | | | | | |
|---|---|---|---|---|---|---|
| -2-one | | depression | dizziness | | | |
| 4-Methylpentan-2-one | Inhalation | respiratory irritation | May cause respiratory irritation | Human | NOAEL 0.9 mg/l | 7 minutes |
| 4-Methylpentan-2-one | Inhalation | vascular system | Some positive data exist, but the data are not sufficient for classification | Dog | NOAEL Not available | not available |
| 4-Methylpentan-2-one | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Rat | LOAEL 900 mg/kg | not applicable |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | | | Data not available or insufficient for classification | | | |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | | Data not available or insufficient for classification | | | |
| Poly(Vinyl Chloride) | | | Data not available or insufficient for classification | | | |
| Quartz | | | Data not available or insufficient for classification | | | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Limestone | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| Butanone | Dermal | nervous system | All data are negative | Guinea pig | NOAEL Not available | 31 weeks |
| Butanone | Inhalation | liver \| kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 14.7 mg/l | 90 days |
| Butanone | Inhalation | heart \| endocrine system \| bone, teeth, nails, and/or hair \| hematopoietic system \| immune system \| muscles | All data are negative | Rat | NOAEL 14.7 mg/l | 90 days |
| Butanone | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL Not available | 7 days |
| Butanone | Ingestion | nervous system | All data are negative | Rat | NOAEL 173 mg/kg/day | 90 days |
| Toluene | Inhalation | auditory system | Causes damage to | Human | NOAEL Not | poisoning and/or |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | \| nervous system \| eyes \| olfactory system | organs through prolonged or repeated exposure | | available | abuse |
| 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 | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 11.3 mg/l | 15 weeks |
| Toluene | Inhalation | endocrine system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1.1 mg/l | 4 weeks |
| Toluene | Inhalation | immune system | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL Not available | 20 days |
| Toluene | Inhalation | bone, teeth, nails, and/or hair | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL 1.1 mg/l | 8 weeks |
| Toluene | Inhalation | hematopoietic system \| vascular system | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| 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 | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| Toluene | Ingestion | liver \| kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 2,500 mg/kg/day | 13 weeks |
| Toluene | Ingestion | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL 600 mg/kg/day | 14 days |
| Toluene | Ingestion | endocrine system | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL 105 mg/kg/day | 28 days |
| Toluene | Ingestion | immune system | Some positive data exist, but the data are not | Mouse | NOAEL 105 mg/kg/day | 4 weeks |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | sufficient for classification | | | |
| Acrylonitrile - butadiene polymer | | | Data not available or insufficient for classification | | | |
| 4-Methylpentan-2-one | Inhalation | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 0.41 mg/l | 13 weeks |
| 4-Methylpentan-2-one | Inhalation | heart | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 0.8 mg/l | 2 weeks |
| 4-Methylpentan-2-one | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 0.4 mg/l | 90 days |
| 4-Methylpentan-2-one | Inhalation | respiratory system | All data are negative | Multiple animal species | NOAEL 4.1 mg/l | 14 weeks |
| 4-Methylpentan-2-one | Inhalation | endocrine system \| hematopoietic system | All data are negative | Multiple animal species | NOAEL 0.41 mg/l | 90 days |
| 4-Methylpentan-2-one | Inhalation | nervous system | All data are negative | Multiple animal species | NOAEL 0.41 mg/l | 13 weeks |
| 4-Methylpentan-2-one | Ingestion | endocrine system \| hematopoietic system \| liver \| kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,000 mg/kg/day | 13 weeks |
| 4-Methylpentan-2-one | Ingestion | heart \| immune system \| muscles \| nervous system \| respiratory system | All data are negative | Rat | NOAEL 1,040 mg/kg/day | 120 days |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | | | Data not available or insufficient for classification | | | |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | | | Data not available or insufficient for classification | | | |
| Poly(Vinyl Chloride) | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL .013 mg/l | 22 months |
| 2,6-Di-tert-butyl-p-cresol | Ingestion | liver | May cause damage to organs though prolonged or repeated | Rat | NOAEL 25 mg/kg/day | 28 days |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | exposure | | | |
| 2,6-Di-tert-butyl-p-cresol | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 500 mg/kg/day | 2 generation |
| 2,6-Di-tert-butyl-p-cresol | Ingestion | blood | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 420 mg/kg/day | 40 days |
| 2,6-Di-tert-butyl-p-cresol | Ingestion | endocrine system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 25 mg/kg/day | 2 generation |
| 2,6-Di-tert-butyl-p-cresol | Ingestion | heart | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL 3,480 mg/kg/day | 10 weeks |
| Quartz | Inhalation | silicosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |

**Aspiration Hazard**

| Name | Value |
|---|---|
| Limestone | Not an aspiration hazard |
| Butanone | Not an aspiration hazard |
| Toluene | Aspiration hazard |
| Acrylonitrile - butadiene polymer | Not an aspiration hazard |
| 4-Methylpentan-2-one | Some positive data exist, but the data are not sufficient for classification |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | Not an aspiration hazard |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | Not an aspiration hazard |
| Poly(Vinyl Chloride) | Not an aspiration hazard |
| 2,6-Di-tert-butyl-p-cresol | Not an aspiration hazard |
| Quartz | Not an 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.**

# SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

**12.1. Toxicity**

No product test data available.

| Material | CAS Nbr | Organism | Type | Exposure | Test endpoint | Test result |
|---|---|---|---|---|---|---|
| Limestone | 1317-65-3 | Western Mosquitofish | Experimental | 96 hours | LC50 | >100 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| Butanone | 78-93-3 | Ricefish | Experimental | 96 hours | LC50 | >100 mg/l |
| 4-Methylpentan-2-one | 108-10-1 | Water flea | Experimental | 48 hours | EC50 | 170 mg/l |
| Toluene | 108-88-3 | Coho Salmon | Experimental | 96 hours | LC50 | 5.5 mg/l |
| Toluene | 108-88-3 | Water flea | Experimental | 48 hours | EC50 | 3.78 mg/l |
| Toluene | 108-88-3 | Green Algae | Experimental | 72 hours | EC50 | 12.5 mg/l |
| 4-Methylpentan-2-one | 108-10-1 | Green Algae | Experimental | 96 hours | EC50 | 400 mg/l |
| 2,6-Di-tert-butyl-p-cresol | 128-37-0 | Green algae | Experimental | 72 hours | NOEC | 0.4 mg/l |
| Limestone | 1317-65-3 | Rainbow trout | Experimental | 21 days | NOEC | >100 mg/l |
| Butanone | 78-93-3 | Green algae | Experimental | 72 hours | NOEC | 93 mg/l |
| Butanone | 78-93-3 | Water flea | Experimental | 21 days | NOEC | 100 mg/l |
| 4-Methylpentan-2-one | 108-10-1 | Water flea | Experimental | 21 days | NOEC | 7.8 mg/l |
| 4-Methylpentan-2-one | 108-10-1 | Fathead minnow | Experimental | 32 days | NOEC | 57 mg/l |
| Toluene | 108-88-3 | Sheepshead Minnow | Experimental | 28 days | NOEC | 3.2 mg/l |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | 152286-38-9 | | Data not available or insufficient for classification | | | |
| Acrylonitrile - butadiene polymer | 9003-18-3 | | Data not available or insufficient for classification | | | |
| Poly(Vinyl Chloride) | 9002-86-2 | | Data not available or insufficient for classification | | | |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | 25085-50-1 | | Data not available or insufficient for classification | | | |
| Quartz | 14808-60-7 | | Data not available or insufficient for classification | | | |

**12.2. Persistence and degradability**

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Butanone | 78-93-3 | Estimated Photolysis | | Photolytic half-life (in air) | 2.8 days (t 1/2) | Other methods |
| Toluene | 108-88-3 | Experimental Photolysis | | Photolytic half-life (in air) | 5.38 days (t 1/2) | Other methods |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4-Methylpentan-2-one | 108-10-1 | Experimental Photolysis | | Photolytic half-life (in air) | 2.28 days (t 1/2) | Other methods |
| Quartz | 14808-60-7 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Poly(Vinyl Chloride) | 9002-86-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Limestone | 1317-65-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | 25085-50-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Acrylonitrile - butadiene polymer | 9003-18-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 2-Propenenitrile, telomer with 1,3-butadiene and tert-dodecanethiol | 152286-38-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Butanone | 78-93-3 | Experimental Biodegradation | 20 days | BOD | 89 % weight | Other methods |
| 4-Methylpentan-2-one | 108-10-1 | Experimental Biodegradation | 14 days | BOD | 84 % weight | OECD 301C - MITI test (I) |
| Toluene | 108-88-3 | Experimental Biodegradation | 14 days | BOD | 100 % weight | OECD 301C - MITI test (I) |
| 2,6-Di-tert-butyl-p-cresol | 128-37-0 | Experimental Biodegradation | 28 days | BOD | 4.5 % weight | OECD 301C - MITI test (I) |

**12.3 : Bioaccumulative potential**

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Acrylonitrile - butadiene polymer | 9003-18-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Quartz | 14808-60-7 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 2-Propenenitrile, telomer with 1,3-butadiene | 152286-38-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

| | | | | | | |
|---|---|---|---|---|---|---|
| and tert-dodecanethiol | | | | | | |
| Poly(Vinyl Chloride) | 9002-86-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Limestone | 1317-65-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol | 25085-50-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 2,6-Di-tert-butyl-p-cresol | 128-37-0 | Experimental BCF-Carp | 56 days | Bioaccumulation factor | 1276 | OECD 305E - Bioaccumulation flow-through fish test |
| Butanone | 78-93-3 | Experimental Bioconcentration | | Log Kow | 0.29 | Other methods |
| 4-Methylpentan-2-one | 108-10-1 | Experimental Bioconcentration | | Log Kow | 1.31 | Other methods |
| Toluene | 108-88-3 | Experimental Bioconcentration | | Log Kow | 2.73 | Other methods |

**12.4. Mobility in soil**
Please contact manufacturer for more details

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

No information available at this time, contact manufacturer for more details

**12.6. Other adverse effects**
No information available.

## SECTION 13: Disposal considerations

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

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

**EU waste code (product as sold)**

| | |
|---|---|
| 08 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

FS-9100-3115-2

**ADR/RID:** UN1139, COATING SOLUTION, LIMITED QUANTITY, 3., II , (E), ADR Classification Code: F1.
**IMDG-CODE:** UN1139, COATING SOLUTION, 3, II , LIMITED QUANTITY, EMS: FE,SE.
**ICAO/IATA:** UN1139, COATING SOLUTION, 3., II , LIMITED QUANTITY.

## SECTION 15: Regulatory information

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

**Carcinogenicity**

| Ingredient | CAS Nbr | Classification | Regulation |
|---|---|---|---|
| 2,6-Di-tert-butyl-p-cresol | 128-37-0 | Gr. 3: Not classifiable | International Agency for Research on Cancer |
| 4-Methylpentan-2-one | 108-10-1 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| Poly(Vinyl Chloride) | 9002-86-2 | Gr. 3: Not classifiable | International Agency for Research on Cancer |
| Quartz | 14808-60-7 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Toluene | 108-88-3 | Gr. 3: Not classifiable | International Agency for Research on Cancer |

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

**15.2. Chemical Safety Assessment**
Not applicable

## SECTION 16: Other information

**List of relevant H statements**

| | |
|---|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| 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. |
| H411 | Toxic to aquatic life with long lasting effects. |

**List of relevant R-phrases**

| | |
|---|---|
| R11 | Highly flammable. |

| | |
|---|---|
| R20 | Harmful by inhalation. |
| R36 | Irritating to eyes. |
| R37 | Irritating to respiratory system. |
| R38 | Irritating to skin. |
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| R63 | Possible risk of harm to the unborn child. |
| R65 | Harmful: May cause lung damage if swallowed. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R67 | Vapours may cause drowsiness and dizziness. |

**Revision information:**
Revision Changes:
Section 8: Eye/face protection information information was modified.
Section 15: Carcinogenicity information information was modified.
Section 16: List of relevant R phrase information information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12:Bioccumulative potential information information was modified.
Section 9: Property description for optional properties information was modified.
Section 8: Occupational exposure limit table information was modified.
Aspiration Hazard Table information was modified.
Section 11: Acute Toxicity table information was modified.
Carcinogenicity Table information was modified.
Serious Eye Damage/Irritation Table information was modified.
Germ Cell Mutagenicity Table information was modified.
Skin Sensitisation Table information was modified.
Respiratory Sensitisation Table information was modified.
Reproductive Toxicity Table information was modified.
Skin Corrosion/Irritation Table information was modified.
Target Organs - Repeated Table information was modified.
Target Organs - Single Table information was modified.
Section 11: Health Effects - Inhalation information information was modified.
Section 5: Fire - Extinguishing media information information was modified.
Section 6: Accidental release clean-up information information was modified.
Section 7: Precautions safe handling information information was modified.
Section 7: Conditions safe storage 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.
Section 8: Skin protection - protective clothing text information was added.
Section 9: Odour Threshold information was added.
Section 9: Solubility (non-water) information was added.
Section 09: Decomposition Temperature information was added.
Section 11: Single exposure may cause: heading information was added.
Section 11: Prolonged or repeated exposure may cause: heading information was added.
Section 11: Single exposure may cause standard phrases information was added.
Section 11: Prolonged or repeated exposure may cause standard phrases information was added.
Section 10: Hazardous decomposition products during combustion text information was added.
Section 12: Acute aquatic hazard information information was deleted.
Section 12: Chronic aquatic hazard heading information was deleted.
Section 12: Acute aquatic hazard heading information was deleted.
Section 12: Chronic aquatic hazard information information was deleted.
Section 11: Health Effects - Other information information was deleted.

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