# Safety Data Sheet



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|---|---|---|---|
| **Document group:** | 27-0203-3 | **Version number:** | 6.00 |
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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 Scotch-Weld 10 Universal Contact Adhesive, Sprayable

**Product Identification Numbers**

FS-9100-5030-1 FS-9100-5032-7

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

**Identified uses**

Adhesive

### 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**

**CLASSIFICATION:**

Flammable Liquid, Category 2 - Flam. Liq. 2; H225
Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319
Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315
Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H336
Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

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

**Indication of danger**
Highly flammable; F; R11
Irritant; Xi; R36/38
R67
Dangerous for the environment; N; R51/53

For full text of R phrases, see Section 16.

**2.2. Label elements**
**CLP REGULATION (EC) No 1272/2008**

**SIGNAL WORD**
DANGER.

**Symbols:**
GHS02 (Flame) |GHS07 (Exclamation mark) |

**Pictograms**

| Ingredient | CAS Nbr | % by Wt |
|---|---|---|
| Acetone | 67-64-1 | 15 - 40 |
| Naphtha (petroleum), hydrodesulphurised light, dearomatised | 92045-53-9 | 10 - 30 |

**HAZARD STATEMENTS:**

| | |
|---|---|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H412 | Harmful to aquatic life with long lasting effects. |

**PRECAUTIONARY STATEMENTS**

**Prevention:**

| | |
|---|---|
| P210A | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261E | Avoid breathing vapour or spray. |

**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. |
| P370 + P378G | In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish. |

**Disposal:**

| | |
|---|---|
| P501 | Dispose of contents/container in accordance with applicable local/regional/national/international regulations. |

**SUPPLEMENTAL INFORMATION**

**Supplemental Hazard Statements:**

EUH208 Contains Rosin. May produce an allergic reaction.

23% of the mixture consists of components of unknown acute oral toxicity.

Contains 49% of components with unknown hazards to the aquatic environment.

**Notes on labelling**
H304 is not required on the label due to the product's viscosity
Nota P applied to CASRNs 92045-53-9 & 64742-49-0.

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

**Symbol(s)**


Highly Flammable


Irritant


Dangerous for the environment

**Contains:**

No ingredients are assigned to the label.

**Risk phrases**

| | |
|---|---|
| R11 | Highly flammable. |
| R36/38 | Irritating to eyes and skin. |
| R67 | Vapours may cause drowsiness and dizziness. |
| R51/53 | Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. |

**Safety phrases**

| | |
|---|---|
| S16 | Keep away from sources of ignition - No Smoking. |
| S23A | Do not breathe vapour. |
| S51 | Use only in well ventilated areas. |
| S24 | Avoid contact with skin. |
| S62 | If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label. |
| S61 | Avoid release to the environment. Refer to special instructions/safety data sheets. |

**Special provisions concerning the labelling of certain substances**
Contains rosin. May produce an allergic reaction.

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

Nota P applied to CASRNs 92045-53-9 & 64742-49-0.

**2.3. Other hazards**

None known.

## SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | EU Inventory | % by Wt | Classification |
|---|---|---|---|---|
| Acetone | 67-64-1 | EINECS 200- | 15 - 40 | F:R11; Xi:R36; R66; R67 (EU) |

| | | | | |
|---|---|---|---|---|
| | | 662-2 | | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066 (CLP) |
| Naphtha (petroleum), hydrodesulphurised light, dearomatised | 92045-53-9 | EINECS 295-434-2 | 10 - 30 | Xn:R65 - Nota 4,P (EU)<br>F:R11; Xi:R38; R67 (Vendor)<br><br>Asp. Tox. 1, H304 - Nota P (CLP)<br>Flam. Liq. 2, H225; Skin Irrit. 2, H315; STOT SE 3, H336 (Vendor) |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | EINECS 265-151-9 | 10 - 30 | Xn:R65 - Nota 4,P (EU)<br>F:R11 (Vendor)<br>Xi:R38; R67 (Self Classified)<br><br>Asp. Tox. 1, H304 - Nota P (CLP)<br>Flam. Liq. 2, H225; Skin Irrit. 2, H315; STOT SE 3, H336 (Self Classified) |
| Propyl acetate | 109-60-4 | EINECS 203-686-1 | 10 - 30 | F:R11; Xi:R36; R66; R67 - Nota C (EU)<br>R52 (Self Classified)<br><br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066 - Nota C (CLP) |
| Magnesium resinate | Trade Secret | | 7 - 13 | |
| Polychloroprene | 9010-98-4 | | 7 - 13 | |
| n-hexane | 110-54-3 | EINECS 203-777-6 | 0.1 - 2 | Repr.Cat.3:R62; F:R11; Xn:R48/20; Xn:R65; Xi:R38; N:R51/53; R67 - Nota 4 (EU)<br><br>Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Repr. 2, H361f; STOT SE 3, H336; STOT RE 2, H373; Aquatic Chronic 2, H411 (CLP) |
| Cyclohexane | 110-82-7 | EINECS 203-806-2 | 0.1 - 1.0 | F:R11; Xn:R65; Xi:R38; N:R50/53; R67 - Nota 4 (EU)<br><br>Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 (CLP) |
| Rosin | 8050-09-7 | EINECS 232-475-7 | 0.1 - 1.0 | R43 (EU)<br>R52 (Self Classified)<br><br>Skin Sens. 1B, H317 (CLP) |
| Talc | 14807-96-6 | EINECS 238-877-9 | 0.1 - 1.0 | |
| Zinc Oxide | 1314-13-2 | EINECS 215-222-5 | 0.1 - 1.0 | N:R50/53 (EU)<br><br>Aquatic Acute 1, H400,M=10; |

| | | | | |
|---|---|---|---|---|
| | | | | Aquatic Chronic 1, H410,M=1 (CLP) |

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 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 |
|---|---|
| Hydrocarbons. | During combustion. |
| Carbon monoxide. | During combustion. |
| Carbon dioxide. | During combustion. |
| Hydrogen Chloride | 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. 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 vapors 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 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.

**7.2. Conditions for safe storage including any incompatibilities**
Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from heat. Store away from acids. Store away from oxidising agents.

**7.3. Specific end use(s)**
See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Occupational exposure limits**
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | CAS Nbr | Agency | Limit type | Additional comments |
|---|---|---|---|---|
| Propyl acetate | 109-60-4 | UK HSC | TWA:849 mg/m3(200 ppm);STEL:1060 mg/m3(250 | |

| | | | | |
|---|---|---|---|---|
| | | | ppm) | |
| n-hexane | 110-54-3 | UK HSC | TWA:72 mg/m3(20 ppm) | |
| Cyclohexane | 110-82-7 | UK HSC | TWA:350 mg/m³(100 ppm);STEL:1050 mg/m³(300 ppm) | |
| Talc | 14807-96-6 | UK HSC | TWA(as respirable dust):1 mg/m³ | |
| Acetone | 67-64-1 | UK HSC | TWA:1210 mg/m³(500 ppm);STEL:3620 mg/m³(1500 ppm) | |
| Rosin | 8050-09-7 | UK HSC | TWA(as fume):0.05 mg/m³;STEL(as fume):0.15 mg/m³ | Respiratory Sensitizer |

UK HSC : UK Health and Safety Commission
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

**Biological limit values**
No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

**8.2. Exposure controls**

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

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

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:
Indirect vented goggles.

**Skin/hand protection**
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.
Gloves made from the following material(s) are recommended:

| Material | Thickness (mm) | Breakthrough Time |
|---|---|---|
| Polymer laminate | No data available | No data available |

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**

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:** | Liquid. |
| **Appearance/Odour** | Yellow with solvent odour. |
| **Odour threshold** | *No data available.* |
| **pH** | *No data available.* |
| **Boiling point/boiling range** | 48 - 105 ºC [*Test Method:*Tested per ASTM protocol] |
| **Melting point** | *Not applicable.* |
| **Flammability (solid, gas)** | Not applicable. |
| **Explosive properties** | Not classified |
| **Oxidising properties** | Not classified |
| **Flash point** | -26 ºC |
| **Autoignition temperature** | *No data available.* |
| **Flammable Limits(LEL)** | *No data available.* |
| **Flammable Limits(UEL)** | *No data available.* |
| **Vapour pressure** | *No data available.* |
| **Relative density** | 0.803 - 0.851 [*Ref Std:*WATER=1] |
| **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** | 0.5 - 0.9 Pa-s [@ 23 ºC ] |
| **Density** | 0.803 - 0.851 g/ml |

**9.2. Other information**

| | |
|---|---|
| **Percent volatile** | 77 - 79 % |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**
This material is considered to be non reactive under normal use conditions

**10.2 Chemical stability**
Stable.

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

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

**10.5 Incompatible materials**
Strong acids.
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 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 3M assessments.**

**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**
Harmful if inhaled. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

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

**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 additional health effects (see below).

**Additional Health Effects:**

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

**Prolonged or repeated exposure may cause target organ effects:**
Peripheral neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

**Reproductive/Developmental Toxicity:**
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

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

**Acute Toxicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Overall product | Inhalation- | | No data available; calculated ATE10 - 20 mg/l |

| | | | |
|---|---|---|---|
| | Vapor(4 hr) | | |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Acetone | Dermal | Rabbit | LD50 > 15,688 mg/kg |
| Acetone | Inhalation-Vapor (4 hours) | Rat | LC50 76 mg/l |
| Acetone | Ingestion | Rat | LD50 5,800 mg/kg |
| Naphtha (petroleum), hydrotreated light | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Naphtha (petroleum), hydrotreated light | Inhalation-Vapor (4 hours) | Rat | LC50 > 14.7 mg/l |
| Naphtha (petroleum), hydrotreated light | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Propyl acetate | Dermal | Rabbit | LD50 > 17,760 mg/kg |
| Propyl acetate | Inhalation-Vapor (4 hours) | Rat | LC50 < 3.4 mg/l |
| Propyl acetate | Ingestion | Rat | LD50 > 8,700 mg/kg |
| Polychloroprene | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Polychloroprene | Ingestion | Rat | LD50 > 20,000 mg/kg |
| Magnesium resinate | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| n-hexane | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| n-hexane | Inhalation-Vapor (4 hours) | Rat | LC50 170 mg/l |
| n-hexane | Ingestion | Rat | LD50 > 28,700 mg/kg |
| Rosin | Dermal | Rabbit | LD50 > 2,500 mg/kg |
| Rosin | Ingestion | Rat | LD50 7,600 mg/kg |
| Zinc Oxide | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Zinc Oxide | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.7 mg/l |
| Zinc Oxide | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Cyclohexane | Dermal | Rat | LD50 > 2,000 mg/kg |
| Cyclohexane | Inhalation-Vapor (4 hours) | Rat | LC50 > 32.9 mg/l |
| Cyclohexane | Ingestion | Rat | LD50 6,200 mg/kg |
| Talc | Dermal | | LD50 Not available |
| Talc | Ingestion | | LD50 Not available |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Acetone | Mouse | Minimal irritation |
| Naphtha (petroleum), hydrotreated light | Rabbit | Irritant |
| Polychloroprene | Human | No significant irritation |
| n-hexane | Human and animal | Mild irritant |
| Rosin | Rabbit | No significant irritation |
| Zinc Oxide | Human and animal | No significant irritation |
| Cyclohexane | Rabbit | Mild irritant |
| Talc | Rabbit | No significant irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Acetone | Rabbit | Severe irritant |
| Naphtha (petroleum), hydrotreated light | Rabbit | Mild irritant |
| Polychloroprene | Professional judgement | No significant irritation |

| | | |
|---|---|---|
| n-hexane | Rabbit | Mild irritant |
| Rosin | Rabbit | Mild irritant |
| Zinc Oxide | Rabbit | Mild irritant |
| Cyclohexane | Rabbit | Mild irritant |
| Talc | Rabbit | No significant irritation |

### Skin Sensitisation

| Name | Species | Value |
|---|---|---|
| Naphtha (petroleum), hydrotreated light | Guinea pig | Not sensitising |
| n-hexane | Human | Not sensitising |
| Rosin | Guinea pig | Sensitising |
| Zinc Oxide | Guinea pig | Some positive data exist, but the data are not sufficient for classification |

### Respiratory Sensitisation

| Name | Species | Value |
|---|---|---|
| Rosin | Human | Some positive data exist, but the data are not sufficient for classification |
| Talc | Human | Not sensitising |

### Germ Cell Mutagenicity

| Name | Route | Value |
|---|---|---|
| Acetone | In vivo | Not mutagenic |
| Acetone | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Naphtha (petroleum), hydrotreated light | In Vitro | Not mutagenic |
| n-hexane | In Vitro | Not mutagenic |
| n-hexane | In vivo | Not mutagenic |
| Zinc Oxide | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Zinc Oxide | In vivo | Some positive data exist, but the data are not sufficient for classification |
| Cyclohexane | In Vitro | Not mutagenic |
| Cyclohexane | In vivo | Some positive data exist, but the data are not sufficient for classification |
| Talc | In Vitro | Not mutagenic |
| Talc | In vivo | Not mutagenic |

### Carcinogenicity

| Name | Route | Species | Value |
|---|---|---|---|
| Acetone | Not specified. | Multiple animal species | Not carcinogenic |
| Naphtha (petroleum), hydrotreated light | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |
| n-hexane | Dermal | Mouse | Not carcinogenic |
| n-hexane | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Talc | Inhalation | Rat | Some positive data exist, but the data are not sufficient for classification |

### Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| Acetone | Ingestion | Not toxic to female reproduction | Mouse | NOAEL 11,298 mg/kg/day | 13 weeks |
| Acetone | Ingestion | Some positive male reproductive data | Rat | NOAEL | 13 weeks |

| | | | | | |
|---|---|---|---|---|---|
| | | exist, but the data are not sufficient for classification | | 1,700 mg/kg/day | |
| Acetone | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Rat | NOAEL 5.2 mg/l | during organogenesis |
| n-hexane | Ingestion | Not toxic to development | Mouse | NOAEL 2,200 mg/kg/day | during organogenesis |
| n-hexane | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Rat | NOAEL 0.7 mg/l | during gestation |
| n-hexane | Ingestion | Toxic to male reproduction | Rat | NOAEL 1,140 mg/kg/day | 90 days |
| n-hexane | Inhalation | Toxic to male reproduction | Rat | LOAEL 3.52 mg/l | 28 days |
| Zinc Oxide | Ingestion | Some positive reproductive/developmental data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 125 mg/kg/day | premating & during gestation |
| Cyclohexane | Inhalation | Not toxic to female reproduction | Rat | NOAEL 24 mg/l | 2 generation |
| Cyclohexane | Inhalation | Not toxic to male reproduction | Rat | NOAEL 24 mg/l | 2 generation |
| Cyclohexane | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Rat | NOAEL 6.9 mg/l | 2 generation |
| Talc | Ingestion | Not toxic to development | Rat | NOAEL 1,600 mg/kg | during organogenesis |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Acetone | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| Acetone | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| Acetone | Inhalation | immune system | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL 1.19 mg/l | 6 hours |
| Acetone | Inhalation | liver | Some positive data exist, but the data are not sufficient for classification | Guinea pig | NOAEL Not available | |
| Acetone | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |
| Naphtha (petroleum), hydrotreated light | Inhalation | central nervous system depression | May cause drowsiness or dizziness | | NOAEL Not available | |
| Naphtha (petroleum), hydrotreated light | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| n-hexane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | not available |
| n-hexane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Rabbit | NOAEL Not available | 8 hours |
| n-hexane | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 24.6 mg/l | 8 hours |
| Cyclohexane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Cyclohexane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human and animal | NOAEL Not available | |

## Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Acetone | Dermal | eyes | Some positive data exist, but the data are not sufficient for classification | Guinea pig | NOAEL Not available | 3 weeks |
| Acetone | Inhalation | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL 3 mg/l | 6 weeks |
| Acetone | Inhalation | immune system | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL 1.19 mg/l | 6 days |
| Acetone | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Guinea pig | NOAEL 119 mg/l | not available |
| Acetone | Inhalation | heart \| liver | All data are negative | Rat | NOAEL 45 mg/l | 8 weeks |
| Acetone | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 900 mg/kg/day | 13 weeks |
| Acetone | Ingestion | heart | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| Acetone | Ingestion | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 200 mg/kg/day | 13 weeks |
| Acetone | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL 3,896 mg/kg/day | 14 days |
| Acetone | Ingestion | eyes | All data are negative | Rat | NOAEL 3,400 mg/kg/day | 13 weeks |
| Acetone | Ingestion | respiratory system | All data are negative | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| Acetone | Ingestion | muscles | All data are negative | Rat | NOAEL 2,500 mg/kg | 13 weeks |
| Acetone | Ingestion | skin \| bone, teeth, nails, and/or hair | All data are negative | Mouse | NOAEL 11,298 mg/kg/day | 13 weeks |
| n-hexane | Inhalation | peripheral nervous system | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| n-hexane | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Mouse | LOAEL 1.76 mg/l | 13 weeks |
| n-hexane | Inhalation | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL Not available | 6 months |
| n-hexane | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 1.76 mg/l | 6 months |
| n-hexane | Inhalation | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL 35.2 mg/l | 13 weeks |
| n-hexane | Inhalation | auditory system \| immune system \| eyes | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| n-hexane | Inhalation | heart \| skin \| endocrine system | All data are negative | Rat | NOAEL 1.76 mg/l | 6 months |
| n-hexane | Ingestion | peripheral nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,140 mg/kg/day | 90 days |
| n-hexane | Ingestion | endocrine system \| hematopoietic system \| liver \| immune system \| kidney and/or | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL Not available | 13 weeks |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | bladder | | | | |
| Zinc Oxide | Ingestion | nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 600 mg/kg/day | 10 days |
| Zinc Oxide | Ingestion | endocrine system \| hematopoietic system \| kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Other | NOAEL 500 mg/kg/day | 6 months |
| Cyclohexane | Inhalation | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 24 mg/l | 90 days |
| Cyclohexane | Inhalation | auditory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1.7 mg/l | 90 days |
| Cyclohexane | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rabbit | NOAEL 2.7 mg/l | 10 weeks |
| Cyclohexane | Inhalation | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL 24 mg/l | 14 weeks |
| Cyclohexane | Inhalation | peripheral nervous system | All data are negative | Rat | NOAEL 8.6 mg/l | 30 weeks |
| Talc | Inhalation | pneumoconiosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| Talc | Inhalation | pulmonary fibrosis \| respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 18 mg/m3 | 113 weeks |

**Aspiration Hazard**

| Name | Value |
|---|---|
| Naphtha (petroleum), hydrotreated light | Aspiration hazard |
| n-hexane | Aspiration hazard |
| Cyclohexane | 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 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 Nbr | Organism | Type | Exposure | Test endpoint | Test result |
|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | Algae other | Experimental | 96 hours | EC50 | 11,493 mg/l |
| Acetone | 67-64-1 | Water flea | Experimental | 48 hours | EC50 | 13,500 mg/l |
| Acetone | 67-64-1 | Rainbow trout | Experimental | 96 hours | LC50 | 5,540 mg/l |
| Cyclohexane | 110-82-7 | Fathead minnow | Experimental | 96 hours | LC50 | 4.53 mg/l |
| Cyclohexane | 110-82-7 | Green Algae | Experimental | 72 hours | EC50 | 3.4 mg/l |
| Cyclohexane | 110-82-7 | Water flea | Experimental | 48 hours | EC50 | 0.9 mg/l |
| n-hexane | 110-54-3 | Fathead minnow | Experimental | 96 hours | LC50 | 2.5 mg/l |
| n-hexane | 110-54-3 | Water flea | Experimental | 48 hours | EC50 | >3.9 mg/l |
| Propyl acetate | 109-60-4 | Water flea | Experimental | 24 hours | EC50 | 318 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| Propyl acetate | 109-60-4 | Fathead minnow | Experimental | 96 hours | LC50 | 56 mg/l |
| Rosin | 8050-09-7 | Zebra Fish | Estimated | 96 hours | LC50 | 5 mg/l |
| Rosin | 8050-09-7 | Water flea | Estimated | 48 hours | EC50 | 76 mg/l |
| Zinc Oxide | 1314-13-2 | Chinook Salmon | Experimental | 96 hours | LC50 | 0.23 mg/l |
| Zinc Oxide | 1314-13-2 | Water flea | Experimental | 48 hours | EC50 | 3.2 mg/l |
| Zinc Oxide | 1314-13-2 | Green Algae | Experimental | 72 hours | EC50 | 0.046 mg/l |
| Acetone | 67-64-1 | Water flea | Experimental | 21 days | NOEC | 1,000 mg/l |
| Zinc Oxide | 1314-13-2 | Green Algae | Experimental | 72 hours | NOEC | 0.021 mg/l |
| Magnesium resinate | Trade Secret | | Data not available or insufficient for classification | | | |
| Magnesium resinate | Trade Secret | | Insufficient to classify | | | |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | | Data not available or insufficient for classification | | | |
| Naphtha (petroleum), hydrodesulphurised light, dearomatised | 92045-53-9 | | Data not available or insufficient for classification | | | |
| Polychloroprene | 9010-98-4 | | Data not available or insufficient for classification | | | |
| Talc | 14807-96-6 | | Data not available or insufficient for classification | | | |

**12.2. Persistence and degradability**

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | Estimated Photolysis | | Photolytic half-life (in air) | 80 days (t 1/2) | Other methods |
| n-hexane | 110-54-3 | Experimental Photolysis | | Photolytic half-life (in air) | 5.4 days (t 1/2) | Other methods |
| Acetone | 67-64-1 | Experimental Photolysis | | Photolytic half-life (in air) | 147 days (t 1/2) | Other methods |
| Cyclohexane | 110-82-7 | Experimental Photolysis | | Photolytic half-life (in air) | 4.14 days (t 1/2) | Other methods |
| Naphtha (petroleum), hydrodesulphurised light, dearomatised | 92045-53-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Magnesium resinate | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

| | | | | | | |
|---|---|---|---|---|---|---|
| Polychloroprene | 9010-98-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| n-hexane | 110-54-3 | Experimental Bioconcentration | 28 days | BOD | 100 % weight | OECD 301C - MITI test (I) |
| Rosin | 8050-09-7 | Estimated Biodegradation | 21 days | BOD | 70 % weight | Other methods |
| Talc | 14807-96-6 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Zinc Oxide | 1314-13-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Acetone | 67-64-1 | Experimental Biodegradation | 28 days | BOD | 78 % weight | OECD 301D - Closed bottle test |
| Cyclohexane | 110-82-7 | Experimental Biodegradation | 28 days | BOD | 77 % weight | OECD 301F - Manometric respirometry |
| Propyl acetate | 109-60-4 | Experimental Biodegradation | 14 days | BOD | 81 % weight | OECD 301C - MITI test (I) |

**12.3 : Bioaccumulative potential**

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Polychloroprene | 9010-98-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Naphtha (petroleum), hydrodesulphurised light, dearomatised | 92045-53-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Magnesium resinate | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Cyclohexane | 110-82-7 | Experimental BCF-Carp | 56 days | Bioaccumulation factor | <129 | Other methods |
| Talc | 14807-96-6 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

| | | | | | | |
|---|---|---|---|---|---|---|
| Zinc Oxide | 1314-13-2 | Experimental BCF - Other | 56 days | Bioaccumulation factor | <217 | OECD 305E - Bioaccumulation flow-through fish test |
| Acetone | 67-64-1 | Experimental BCF - Other | | Bioaccumulation factor | 0.65 | Other methods |
| n-hexane | 110-54-3 | Modeled Bioconcentration | | Bioaccumulation factor | 138 | Other methods |
| Rosin | 8050-09-7 | Experimental BCF - Rainbow Tr | 10 days | Bioaccumulation factor | 220 | Other methods |
| Propyl acetate | 109-60-4 | Experimental Bioconcentration | | Log Kow | 1.24 | 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**
See Section 11.1 Information on toxicological effects

Incinerate in a permitted waste incineration facility. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. 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

## SECTION 14: Transportation information

FS-9100-5030-1, FS-9100-5032-7

**ADR/RID:** UN1133, ADHESIVES, LIMITED QUANTITY, 3., II , (E), ADR Classification Code: F1.
**IMDG-CODE:** UN1133, ADHESIVES, 3., II , IMDG-Code segregation code: NONE, LIMITED QUANTITY, EMS: FE,SD.
**ICAO/IATA:** UN1133, ADHESIVES, 3., II .

# SECTION 15: Regulatory information

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

**Carcinogenicity**

| Ingredient | CAS Nbr | Classification | Regulation |
|---|---|---|---|
| Polychloroprene | 9010-98-4 | 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. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361f | Suspected of damaging fertility. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

**List of relevant R-phrases**

| | |
|---|---|
| R11 | Highly flammable. |
| R36 | Irritating to eyes. |
| R36/38 | Irritating to eyes and skin. |
| R38 | Irritating to skin. |
| R43 | May cause sensitisation by skin contact. |
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| R50/53 | Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. |
| R51/53 | Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. |
| R52 | Harmful to aquatic organisms. |
| R62 | Possible risk of impaired fertility. |
| 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 01: 1.3. Details of the supplier of the safety data sheet heading information was modified.
Section 1: Product identification numbers information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 9: Boiling point information 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.
Copyright information was modified.
Section 9: Flash point information information was modified.
Section 9: Property description for optional properties information was modified.
Label: Signal Word information was modified.
Label: CLP Precautionary - Prevention information was modified.
Label: CLP Precautionary - Response information was modified.
Contains statement for sensitizers information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Additional Health Effects heading information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Respiratory Sensitization Table information was modified.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 11: Health Effects - Skin information information was modified.
Section 11: Health Effects - Inhalation information information was modified.
Section 11: Health Effects - Ingestion information information was modified.
Section 6: Accidental release personal information information was modified.
Section 6: Accidental release clean-up information information was modified.
Section 7: Precautions safe handling information information was modified.
Section 8: Personal Protection - Skin/hand information information was modified.
Section 11: Single exposure may cause target organ effects heading information was modified.
Section 11: Prolonged or repeated exposure may cause target organ effects heading information was modified.
Section 11: Aspiration Hazard table - Name heading information was added.
Section 11: Aspiration Hazard table - Value heading information was added.
Section 11: Respiratory Sensitization table - Name heading information was added.
Section 11: Respiratory Sensitization table - Species heading information was added.
Section 11: Respiratory Sensitization table - Value heading information was added.
Section 11: Skin Sensitization table - Name heading information was added.
Section 11: Skin Sensitization table - Species heading information was added.
Section 11: Skin Sensitization table - Value heading information was added.
Section 11: Serious Eye Damage/Irritation table - Name heading information was added.
Section 11: Serious Eye Damage/Irritation table - Species heading information was added.
Section 11: Serious Eye Damage/Irritation table - Value heading information was added.
Section 11: Skin Corrosion/Irritation table - Name heading information was added.
Section 11: Skin Corrosion/Irritation table - Species heading information was added.
Section 11: Skin Corrosion/Irritation table - Value heading information was added.
Section 11: Germ Cell Mutagenicity table - Name heading information was added.
Section 11: Germ Cell Mutagenicity table - Route heading information was added.
Section 11: Germ Cell Mutagenicity table - Value heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Name heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Route heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Target Organ(s) heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Value heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Species heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Test Result heading information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure table - Exposure Duration heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Name heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Route heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Target Organ(s) heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Value heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Species heading information was added.

Section 11: Specific Target Organ Toxicity - single exposure table - Test Result heading information was added.
Section 11: Specific Target Organ Toxicity - single exposure table - Exposure Duration heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Name heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Route heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Value heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Species heading information was added.
Section 11: Reproductive and/or Developmental Effects table - Test Result heading information was added.
Section 11: Reproductive and/or Developmental Effects text information was added.
Section 11: Carcinogenicity table - Name heading information was added.
Section 11: Carcinogenicity table - Route heading information was added.
Section 11: Carcinogenicity table - Species heading information was added.
Section 11: Carcinogenicity table - Value heading information was added.
Section 8: glove data - Material heading information was added.
Section 8: glove data - Thickness heading information was added.
Section 8: glove data - Breakthrough Time heading information was added.
Section 8: glove data value information was added.
Section 8: Skin protection - recommended gloves information information was deleted.
Section 11: Exposure Duration table heading information was deleted.
Section 11: Test Result table heading information was deleted.

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