# Safety Data Sheet



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|---|---|---|---|
| **Document group:** | 27-7170-7 | **Version number:** | 9.00 |
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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 DisplayMount Spray Adhesive

**Product Identification Numbers**
UU-0120-6695-5 YP-2080-6067-0

7000116738 7100296529

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

**Identified uses**
Adhesive aerosol.

### 1.3. Details of the supplier of the safety data sheet
**Address:** 3M Ireland Limited, The Iveagh Building, The Park, Carrickmines, Dublin 18.
**Telephone:** +353 1 280 3555
**E Mail:** tox.uk@mmm.com
**Website:** www.3M.com

### 1.4. Emergency telephone number
Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

## SECTION 2: Hazard identification

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

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.
The aspiration hazard classification is not required because the product is an aerosol.

**CLASSIFICATION:**
Aerosol, Category 1 - Aerosol 1; H222, H229

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315
Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319
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.

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

**SIGNAL WORD**
DANGER.

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

**Pictograms**

**Ingredients:**

| Ingredient | CAS Nbr | EC No. | % by Wt |
|---|---|---|---|
| acetone | 67-64-1 | 200-662-2 | < 20 |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | 927-510-4 | < 12 |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | | 931-254-9 | < 7 |

**HAZARD STATEMENTS:**

| | |
|---|---|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: may burst if heated. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H412 | Harmful to aquatic life with long lasting effects. |

**PRECAUTIONARY STATEMENTS**

**General:**

| | |
|---|---|
| P102 | Keep out of reach of children. |

**Prevention:**

| | |
|---|---|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| 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. |

**Storage:**

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

**Disposal:**

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

### 2.3. Other hazards

May displace oxygen and cause rapid suffocation.
This material does not contain any substances that are assessed to be a PBT or vPvB

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Ingredient | Identifier(s) | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| propane | (CAS-No.) 74-98-6<br>(EC-No.) 200-827-9 | < 20 | Flam. Gas 1A, H220<br>Liquified gas, H280<br>Nota U |
| acetone | (CAS-No.) 67-64-1<br>(EC-No.) 200-662-2 | < 20 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066 |
| butane | (CAS-No.) 106-97-8<br>(EC-No.) 203-448-7 | < 12 | Flam. Gas 1A, H220<br>Liquified gas, H280<br>Nota C,U |
| dimethyl ether | (CAS-No.) 115-10-6<br>(EC-No.) 204-065-8<br>(REACH-No.) 01-2119472128-37 | < 12 | Flam. Gas 1A, H220<br>Liquified gas, H280<br>Nota U |
| isobutane | (CAS-No.) 75-28-5<br>(EC-No.) 200-857-2 | < 12 | Flam. Gas 1A, H220<br>Liquified gas, H280<br>Nota C,U |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | (EC-No.) 927-510-4<br>(REACH-No.) 01-2119475515-33 | < 12 | Aquatic Chronic 2, H411<br>Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>STOT SE 3, H336 |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | (CAS-No.) 31393-98-3 | < 10 | Aquatic Chronic 4, H413 |
| Glycerol ester of hydrogenated rosin | (CAS-No.) 65997-13-9<br>(EC-No.) 266-042-9 | < 10 | Substance with a national occupational exposure limit |
| Butadiene-styrene-meta-divinylbenzene polymer | (CAS-No.) 26471-45-4 | < 10 | Substance not classified as hazardous |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | (EC-No.) 931-254-9 | < 7 | Aquatic Chronic 2, H411<br>Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315 |

| | | | |
|---|---|---|---|
| | | | STOT SE 3, H336 |
| pentane | (CAS-No.) 109-66-0<br>(EC-No.) 203-692-4<br>(REACH-No.) 01-2119459286-30 | < 5 | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>EUH066<br>Aquatic Chronic 2, H411<br>Nota C |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | (EC-No.) 920-901-0<br>(REACH-No.) 01-2119456810-40 | < 3 | Asp. Tox. 1, H304<br>EUH066 |
| isopentane | (CAS-No.) 78-78-4<br>(EC-No.) 201-142-8 | < 3 | Flam. Liq. 1, H224<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>EUH066<br>Aquatic Chronic 2, H411 |

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance.
Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

**Inhalation**
Remove person to fresh air. Get medical attention.

**Skin contact**
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye contact**
Immediately flush with large amounts of water. 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**
The most important symptoms and effects based on the CLP classification include:
Irritation to the skin (localized redness, swelling, itching, and dryness). Serious irritation to the eyes (significant redness, swelling, pain, tearing, and impaired vision). Central nervous system depression (headache, dizziness, drowsiness, incoordination, nausea, slurred speech, giddiness, and unconsciousness).

**4.3. Indication of any immediate medical attention and special treatment required**
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

## SECTION 5: Fire-fighting measures

**5.1. Extinguishing media**
Use a fire fighting agent suitable for the surrounding fire.

**5.2. Special hazards arising from the substance or mixture**

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

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Aldehydes. | During combustion. |
| Hydrocarbons. | During combustion. |
| formaldehyde | During combustion. |
| Carbon monoxide | During combustion. |
| Carbon dioxide. | During combustion. |

**5.3. Advice for fire-fighters**
Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**
Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**
If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Cover spill area with a fire-extinguishing foam. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

**6.4. Reference to other sections**
Refer to Section 8 and Section 13 for more information

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Do not use in a confined area with minimal air exchange. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) 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 container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50ºC/122ºF. Store away from heat. Store away from acids. Store away from oxidising agents.

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

# SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

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

| Ingredient | CAS Nbr | Agency | Limit type | Additional comments |
|---|---|---|---|---|
| butane | 106-97-8 | Ireland OELs | STEL(15 minutes):1000 ppm | |
| pentane | 109-66-0 | Ireland OELs | TWA(8 hours):3000 mg/m3(1000 ppm);TWA(8 hours):1000 ppm(3000 mg/m3) | |
| dimethyl ether | 115-10-6 | Ireland OELs | TWA(8 hours):1920 mg/m3(1000 ppm);TWA(8 hours):1000 ppm(1920 mg/m3) | |
| ROSIN CORE SOLDER PYROLYSIS PRODUCTS | 65997-13-9 | Ireland OELs | TWA(8 hours):0.05 mg/m3;STEL(15 minutes):0.15 mg/m3 | AIR, total respirable |
| acetone | 67-64-1 | Ireland OELs | TWA(8 hours):1210 mg/m3(500 ppm);TWA(8 hours):500 ppm(1210 mg/m3) | |
| isobutane | 75-28-5 | Ireland OELs | STEL(15 minutes):1000 ppm | |
| isopentane | 78-78-4 | Ireland OELs | TWA(8 hours):3000 mg/m3(1000 ppm);TWA(8 hours):1000 ppm(3000 mg/m3) | |

Ireland OELs : Ireland. OELs
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.

**Derived no effect level (DNEL)**

| Ingredient | Degradation Product | Population | Human exposure pattern | DNEL |
|---|---|---|---|---|
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | | Worker | Dermal, Long-term exposure (8 hours), Systemic effects | 13,964 mg/kg bw/d |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | | Worker | Inhalation, Long-term exposure (8 hours), Systemic effects | 5,306 mg/m³ |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Worker | Dermal, Long-term exposure (8 hours), Systemic effects | 13,964 mg/kg bw/d |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Worker | Inhalation, Long-term exposure (8 hours), Systemic effects | 5,306 mg/m³ |
| Hydrocarbons, C6, isoalkanes, < 5% n- | | Worker | Dermal, Long-term exposure (8 hours), | 300 mg/kg bw/d |

| | | | | |
|---|---|---|---|---|
| hexane | | | Systemic effects | |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | | Worker | Inhalation, Long-term exposure (8 hours), Systemic effects | 2,085 mg/m³ |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Worker | Dermal, Long-term exposure (8 hours), Systemic effects | 300 mg/kg bw/d |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Worker | Inhalation, Long-term exposure (8 hours), Systemic effects | 2,085 mg/m³ |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | | Worker | Dermal, Long-term exposure (8 hours), Systemic effects | 300 mg/kg bw/d |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | | Worker | Inhalation, Long-term exposure (8 hours), Systemic effects | 2,085 mg/m³ |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Worker | Dermal, Long-term exposure (8 hours), Systemic effects | 300 mg/kg bw/d |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Worker | Inhalation, Long-term exposure (8 hours), Systemic effects | 2,085 mg/m³ |

**Predicted no effect concentrations (PNEC)**

| Ingredient | Degradation Product | Compartment | PNEC |
|---|---|---|---|
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | | Agricultural soil | 0.53 mg/kg d.w. |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | | Freshwater | 0.096 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | | Freshwater sediments | 2.5 mg/kg d.w. |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | | Marine water | 0.096 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | | Marine water sediments | 2.5 mg/kg d.w. |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Agricultural soil | 0.53 mg/kg d.w. |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Freshwater | 0.096 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Freshwater sediments | 2.5 mg/kg d.w. |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Marine water | 0.096 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | Marine water sediments | 2.5 mg/kg d.w. |

**Recommended monitoring procedures:**Information on recommended monitoring procedures can be obtained from Indust. Inspect./Ministry (IE)

**8.2. Exposure controls**

In addition, refer to the annex for more information.

**8.2.1. Engineering controls**
Do not remain in area where available oxygen may be reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

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

**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Safety glasses with side shields.
Indirect vented goggles.

*Applicable Norms/Standards*
Use eye protection conforming to EN 166

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

| Material | Thickness (mm) | Breakthrough Time |
|---|---|---|
| Polymer laminate | >.3 | =>8 hours |

The glove data presented are based on the substance driving dermal toxicity and the conditions present at the time of testing. Breakthrough time may be altered when the glove is subjected to use conditions that place additional stress on the glove.

*Applicable Norms/Standards*
Use gloves tested to EN 374

**Respiratory protection**

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

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

*Applicable Norms/Standards*
Use a respirator conforming to EN 140 or EN 136: filter type A

**8.2.3. Environmental exposure controls**
Refer to Annex

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid. |
| **Specific Physical Form:** | Aerosol |

| | |
|---|---|
| **Colour** | Transparent White |
| **Odor** | Strong Ketones |
| **Odour threshold** | *No data available.* |
| **Melting point/freezing point** | *Not applicable.* |
| **Boiling point/boiling range** | *Not applicable.* |
| **Flammability (solid, gas)** | Not applicable. |
| **Flammable Limits(LEL)** | *No data available.* |
| **Flammable Limits(UEL)** | *No data available.* |
| **Flash point** | -42 ºC |
| **Autoignition temperature** | *No data available.* |
| **Decomposition temperature** | *No data available.* |
| **pH** | *substance/mixture is non-soluble (in water)* |
| **Kinematic Viscosity** | *Not applicable.* |
| **Water solubility** | Nil |
| **Solubility- non-water** | *No data available.* |
| **Partition coefficient: n-octanol/water** | *No data available.* |
| **Vapour pressure** | *No data available.* |
| **Density** | 0.74 g/ml |
| **Relative density** | 0.74 [*Ref Std:*WATER=1] |
| **Relative Vapour Density** | >=1 [*Ref Std:*AIR=1] |

**9.2. Other information**

**9.2.2 Other safety characteristics**

| | |
|---|---|
| **EU Volatile Organic Compounds** | *No data available.* |
| **Evaporation rate** | *No data available.* |
| **Percent volatile** | 75 % weight |

## 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**
Sparks and/or flames.
Heat.

**10.5 Incompatible materials**
None known.

**10.6 Hazardous decomposition products**

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

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

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

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

**Signs and Symptoms of Exposure**

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

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

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

**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. Single exposure, above recommended guidelines, may cause: Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

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

**Acute Toxicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Overall product | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Inhalation-Vapour(4 hr) | | No data available; calculated ATE >50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| acetone | Dermal | Rabbit | LD50 > 15,688 mg/kg |
| acetone | Inhalation-Vapour (4 hours) | Rat | LC50 76 mg/l |
| acetone | Ingestion | Rat | LD50 5,800 mg/kg |
| propane | Inhalation-Gas (4 hours) | Rat | LC50 > 200,000 ppm |
| dimethyl ether | Inhalation-Gas (4 hours) | Rat | LC50 164,000 ppm |

| | | | |
|---|---|---|---|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Dermal | Rabbit | LD50 > 2,920 mg/kg |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Dermal | Rat | LD50 > 2,000 mg/kg |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation-Vapour (4 hours) | Rat | LC50 > 14.7 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation-Vapour (4 hours) | Rat | LC50 > 23.3 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation-Vapour (4 hours) | Rat | LC50 > 5.61 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Ingestion | Rat | LD50 > 5,840 mg/kg |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Butadiene-styrene-meta-divinylbenzene polymer | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Butadiene-styrene-meta-divinylbenzene polymer | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | Dermal | Professional judgement | LD50 estimated to be > 5,000 mg/kg |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Dermal | Rabbit | LD50 > 2,920 mg/kg |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Dermal | Rat | LD50 > 2,000 mg/kg |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Inhalation-Vapour (4 hours) | Rat | LC50 > 14.7 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Inhalation-Vapour (4 hours) | Rat | LC50 > 23.3 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Inhalation-Vapour (4 hours) | Rat | LC50 > 5.61 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Ingestion | Rat | LD50 > 5,840 mg/kg |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Glycerol ester of hydrogenated rosin | Dermal | Rat | LD50 > 2,000 mg/kg |
| Glycerol ester of hydrogenated rosin | Ingestion | Rat | LD50 > 2,000 mg/kg |
| pentane | Dermal | Rabbit | LD50 3,000 mg/kg |
| pentane | Inhalation-Vapour (4 hours) | Rat | LC50 > 18 mg/l |
| pentane | Ingestion | Rat | LD50 > 2,000 mg/kg |
| butane | Inhalation-Gas (4 hours) | Rat | LC50 277,000 ppm |
| isobutane | Inhalation-Gas (4 hours) | Rat | LC50 276,000 ppm |
| isopentane | Dermal | Rabbit | LD50 3,000 mg/kg |
| isopentane | Inhalation-Vapour (4 hours) | Rat | LC50 > 18 mg/l |
| isopentane | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Inhalation-Vapour | | LC50 estimated to be 20 - 50 mg/l |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| acetone | Mouse | Minimal irritation |
| propane | Rabbit | Minimal irritation |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Rabbit | Irritant |
| Butadiene-styrene-meta-divinylbenzene polymer | Professional judgement | Minimal irritation |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | In vitro data | No significant irritation |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Rabbit | Irritant |
| Glycerol ester of hydrogenated rosin | Rabbit | No significant irritation |
| pentane | Rabbit | Minimal irritation |
| butane | Professional judgement | No significant irritation |
| isobutane | Professional judgement | No significant irritation |
| isopentane | Rabbit | Minimal irritation |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Rabbit | Minimal irritation |

## Serious Eye Damage/Irritation

| Name | Species | Value |
|---|---|---|
| acetone | Rabbit | Severe irritant |
| propane | Rabbit | Mild irritant |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Rabbit | No significant irritation |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Rabbit | Mild irritant |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | In vitro data | No significant irritation |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Rabbit | No significant irritation |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Rabbit | Mild irritant |
| Glycerol ester of hydrogenated rosin | Rabbit | Mild irritant |
| pentane | Rabbit | Mild irritant |
| butane | Rabbit | No significant irritation |
| isobutane | Professional judgement | No significant irritation |
| isopentane | Rabbit | Mild irritant |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Rabbit | Mild irritant |

## Skin Sensitisation

| Name | Species | Value |
|---|---|---|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Guinea pig | Not classified |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | Multiple animal species | Not classified |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Guinea pig | Not classified |
| Glycerol ester of hydrogenated rosin | Human and animal | Not classified |
| pentane | Guinea pig | Not classified |
| isopentane | Guinea pig | Not classified |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Guinea | Not classified |

| | | |
|---|---|---|
| | pig | |

**Respiratory Sensitisation**

For the component/components, either no data is currently available or the data is not sufficient for classification.

**Germ Cell Mutagenicity**

| Name | Route | Value |
|---|---|---|
| acetone | In vivo | Not mutagenic |
| acetone | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| propane | In Vitro | Not mutagenic |
| dimethyl ether | In Vitro | Not mutagenic |
| dimethyl ether | In vivo | Not mutagenic |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | In Vitro | Not mutagenic |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | In Vitro | Not mutagenic |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | In Vitro | Not mutagenic |
| pentane | In vivo | Not mutagenic |
| pentane | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| butane | In Vitro | Not mutagenic |
| isobutane | In Vitro | Not mutagenic |
| isopentane | In vivo | Not mutagenic |
| isopentane | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | In Vitro | Not mutagenic |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | In vivo | Not mutagenic |

**Carcinogenicity**

| Name | Route | Species | Value |
|---|---|---|---|
| acetone | Not specified. | Multiple animal species | Not carcinogenic |
| dimethyl ether | Inhalation | Rat | Not carcinogenic |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Not specified. | Not available | Not carcinogenic |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| acetone | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,700 mg/kg/day | 13 weeks |
| acetone | Inhalation | Not classified for development | Rat | NOAEL 5.2 mg/l | during organogenesis |
| dimethyl ether | Inhalation | Not classified for development | Rat | NOAEL 40,000 ppm | during organogenesis |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Not specified. | Not classified for female reproduction | Rat | NOAEL Not available | 2 generation |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Not specified. | Not classified for male reproduction | Rat | NOAEL Not available | 2 generation |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Not specified. | Not classified for development | Rat | NOAEL Not available | 2 generation |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | Not specified. | Not classified for female reproduction | Rat | NOAEL Not available | 2 generation |
| Hydrocarbons, C6, isoalkanes, < 5% n- | Not | Not classified for male reproduction | Rat | NOAEL Not | 2 generation |

| | | | | | |
|---|---|---|---|---|---|
| hexane | specified. | | | available | |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | Not specified. | Not classified for development | Rat | NOAEL Not available | 2 generation |
| pentane | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during organogenesis |
| pentane | Inhalation | Not classified for development | Rat | NOAEL 30 mg/l | during organogenesis |
| isopentane | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during organogenesis |
| isopentane | Inhalation | Not classified for development | Rat | NOAEL 30 mg/l | during organogenesis |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Not specified. | Not classified for female reproduction | Not available | NOAEL NA | 1 generation |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Not specified. | Not classified for male reproduction | Not available | NOAEL NA | 28 days |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Not specified. | Not classified for development | Not available | NOAEL NA | during gestation |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| acetone | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| acetone | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| acetone | Inhalation | immune system | Not classified | Human | NOAEL 1.19 mg/l | 6 hours |
| acetone | Inhalation | liver | Not classified | Guinea pig | NOAEL Not available | |
| acetone | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |
| propane | Inhalation | cardiac sensitisation | Causes damage to organs | Human | NOAEL Not available | |
| propane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| propane | Inhalation | respiratory irritation | Not classified | Human | NOAEL Not available | |
| dimethyl ether | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Rat | LOAEL 10,000 ppm | 30 minutes |
| dimethyl ether | Inhalation | cardiac sensitisation | Some positive data exist, but the data are not sufficient for classification | Dog | NOAEL 100,000 ppm | 5 minutes |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Hydrocarbons, C6, | Inhalation | central nervous | May cause drowsiness or | Human | NOAEL Not | |

| | | | | | | |
|---|---|---|---|---|---|---|
| isoalkanes, < 5% n- hexane | | system depression | dizziness | | available | |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| pentane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Multiple animal species | NOAEL Not available | not available |
| pentane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Not available | NOAEL Not available | not available |
| pentane | Inhalation | cardiac sensitisation | Not classified | Dog | NOAEL Not available | not available |
| pentane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | not available |
| butane | Inhalation | cardiac sensitisation | Causes damage to organs | Human | NOAEL Not available | |
| butane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| butane | Inhalation | heart | Not classified | Dog | NOAEL 5,000 ppm | 25 minutes |
| butane | Inhalation | respiratory irritation | Not classified | Rabbit | NOAEL Not available | |
| isobutane | Inhalation | cardiac sensitisation | Causes damage to organs | Multiple animal species | NOAEL Not available | |
| isobutane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| isobutane | Inhalation | respiratory irritation | Not classified | Mouse | NOAEL Not available | |
| isopentane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Multiple animal species | NOAEL Not available | not available |
| isopentane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Not available | NOAEL Not available | not available |
| isopentane | Inhalation | cardiac sensitisation | Not classified | Dog | NOAEL Not available | not available |
| isopentane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | not available |

## Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| acetone | Dermal | eyes | Not classified | Guinea pig | NOAEL Not available | 3 weeks |
| acetone | Inhalation | hematopoietic system | Not classified | Human | NOAEL 3 mg/l | 6 weeks |
| acetone | Inhalation | immune system | Not classified | Human | NOAEL 1.19 mg/l | 6 days |
| acetone | Inhalation | kidney and/or bladder | Not classified | Guinea pig | NOAEL 119 mg/l | not available |
| acetone | Inhalation | heart \| liver | Not classified | Rat | NOAEL 45 mg/l | 8 weeks |
| acetone | Ingestion | kidney and/or | Not classified | Rat | NOAEL 900 | 13 weeks |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | bladder | | | mg/kg/day | |
| acetone | Ingestion | heart | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| acetone | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 200 mg/kg/day | 13 weeks |
| acetone | Ingestion | liver | Not classified | Mouse | NOAEL 3,896 mg/kg/day | 14 days |
| acetone | Ingestion | eyes | Not classified | Rat | NOAEL 3,400 mg/kg/day | 13 weeks |
| acetone | Ingestion | respiratory system | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| acetone | Ingestion | muscles | Not classified | Rat | NOAEL 2,500 mg/kg | 13 weeks |
| acetone | Ingestion | skin \| bone, teeth, nails, and/or hair | Not classified | Mouse | NOAEL 11,298 mg/kg/day | 13 weeks |
| dimethyl ether | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 25,000 ppm | 2 years |
| dimethyl ether | Inhalation | liver | Not classified | Rat | NOAEL 20,000 ppm | 30 weeks |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | Ingestion | heart \| gastrointestinal tract \| hematopoietic system \| liver \| nervous system \| eyes \| kidney and/or bladder | Not classified | Rat | NOAEL 331 mg/kg/day | 90 days |
| pentane | Inhalation | peripheral nervous system | Not classified | Human | NOAEL Not available | occupational exposure |
| pentane | Inhalation | heart \| skin \| endocrine system \| gastrointestinal tract \| bone, teeth, nails, and/or hair \| hematopoietic system \| liver \| immune system \| muscles \| nervous system \| eyes \| kidney and/or bladder \| respiratory system | Not classified | Rat | NOAEL 20 mg/l | 13 weeks |
| pentane | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 2,000 mg/kg/day | 28 days |
| butane | Inhalation | kidney and/or bladder \| blood | Not classified | Rat | NOAEL 4,489 ppm | 90 days |
| isobutane | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 4,500 ppm | 13 weeks |
| isopentane | Inhalation | peripheral nervous system | Not classified | Human | NOAEL Not available | occupational exposure |
| isopentane | Inhalation | heart \| skin \| endocrine system \| gastrointestinal tract \| bone, teeth, nails, and/or hair \| hematopoietic system \| liver \| immune system \| muscles \| nervous system \| eyes \| kidney and/or bladder \| respiratory system | Not classified | Rat | NOAEL 20 mg/l | 13 weeks |

| | | | | | | |
|---|---|---|---|---|---|---|
| isopentane | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 2,000 mg/kg/day | 28 days |

**Aspiration Hazard**

| Name | Value |
|---|---|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | Aspiration hazard |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | Aspiration hazard |
| pentane | Aspiration hazard |
| isopentane | Aspiration hazard |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Aspiration hazard |

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.**

### 11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

## SECTION 12: Ecological information

**The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.**

### 12.1. Toxicity

No product test data available.

| Material | CAS # | Organism | Type | Exposure | Test endpoint | Test result |
|---|---|---|---|---|---|---|
| acetone | 67-64-1 | Algae or other aquatic plants | Experimental | 96 hours | EC50 | 11,493 mg/l |
| acetone | 67-64-1 | Invertebrate | Experimental | 24 hours | LC50 | 2,100 mg/l |
| acetone | 67-64-1 | Rainbow trout | Experimental | 96 hours | LC50 | 5,540 mg/l |
| acetone | 67-64-1 | Water flea | Experimental | 21 days | NOEC | 1,000 mg/l |
| acetone | 67-64-1 | Bacteria | Experimental | 16 hours | NOEC | 1,700 mg/l |
| acetone | 67-64-1 | Redworm | Experimental | 48 hours | LC50 | >100 |
| propane | 74-98-6 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| butane | 106-97-8 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| dimethyl ether | 115-10-6 | Bacteria | Experimental | N/A | EC10 | >1,600 mg/l |
| dimethyl ether | 115-10-6 | Guppy | Experimental | 96 hours | LC50 | >4,100 mg/l |
| dimethyl ether | 115-10-6 | Water flea | Experimental | 48 hours | EC50 | >4,400 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Green algae | Analogous Compound | 72 hours | EL50 | 29 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Medaka | Analogous Compound | 96 hours | LC50 | 0.561 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Water flea | Analogous Compound | 48 hours | EC50 | 0.4 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Fathead minnow | Estimated | 96 hours | LL50 | 8.2 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Green algae | Estimated | 72 hours | EL50 | 3.1 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Green algae | Estimated | 72 hours | EL50 | 29 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Green algae | Estimated | 72 hours | EL50 | 55 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Water flea | Estimated | 48 hours | EL50 | 3 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Water flea | Estimated | 48 hours | EL50 | 4.5 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Water flea | Estimated | 48 hours | LC50 | 3.9 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Rainbow trout | Experimental | 96 hours | LL50 | >13.4 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Green algae | Analogous Compound | 72 hours | NOEL | 6.3 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Water flea | Analogous Compound | 21 days | NOEC | 0.17 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Green algae | Estimated | 72 hours | NOEL | 0.5 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Green algae | Estimated | 72 hours | NOEL | 6.3 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Green algae | Estimated | 72 hours | NOEL | 30 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Water flea | Estimated | 21 days | NOEL | 1 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Water flea | Estimated | 21 days | NOEL | 2.6 mg/l |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Activated sludge | Analogous Compound | 15 hours | IC50 | 29 mg/l |
| isobutane | 75-28-5 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | 31393-98-3 | Activated sludge | Experimental | 3 hours | NOEC | 1,000 mg/l |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | 31393-98-3 | Water flea | Experimental | 48 hours | No tox obs at lmt of water sol | >100 mg/l |
| 2,6,6-Trimethylbicyclo[3.1.1] | 31393-98-3 | Water flea | Endpoint not reached | 21 days | EL10 | >100 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | | | | | | |
| Butadiene-styrene-meta-divinylbenzene polymer | 26471-45-4 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Glycerol ester of hydrogenated rosin | 65997-13-9 | Green algae | Estimated | 72 hours | No tox obs at lmt of water sol | >100 mg/l |
| Glycerol ester of hydrogenated rosin | 65997-13-9 | Rainbow trout | Estimated | 96 hours | No tox obs at lmt of water sol | >100 mg/l |
| Glycerol ester of hydrogenated rosin | 65997-13-9 | Water flea | Estimated | 48 hours | No tox obs at lmt of water sol | >100 mg/l |
| Glycerol ester of hydrogenated rosin | 65997-13-9 | Green algae | Estimated | 72 hours | No tox obs at lmt of water sol | >100 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Green algae | Analogous Compound | 72 hours | EL50 | 29 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Medaka | Analogous Compound | 96 hours | LC50 | 0.561 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Water flea | Analogous Compound | 48 hours | EC50 | 0.4 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Fathead minnow | Estimated | 96 hours | LL50 | 8.2 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Green algae | Estimated | 72 hours | EL50 | 3.1 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Green algae | Estimated | 72 hours | EL50 | 29 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Green algae | Estimated | 72 hours | EL50 | 55 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Water flea | Estimated | 48 hours | EL50 | 3 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Water flea | Estimated | 48 hours | EL50 | 4.5 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Water flea | Estimated | 48 hours | LC50 | 3.9 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Rainbow trout | Experimental | 96 hours | LL50 | >13.4 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Green algae | Analogous Compound | 72 hours | NOEL | 6.3 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Water flea | Analogous Compound | 21 days | NOEC | 0.17 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Green algae | Estimated | 72 hours | NOEL | 0.5 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Green algae | Estimated | 72 hours | NOEL | 6.3 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Green algae | Estimated | 72 hours | NOEL | 30 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Water flea | Estimated | 21 days | NOEL | 1 mg/l |
| Hydrocarbons, C6, isoalkanes, < 5% n- | 931-254-9 | Water flea | Estimated | 21 days | NOEL | 2.6 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| hexane | | | | | | |
| Hydrocarbons, C6, isoalkanes, < 5% n-hexane | 931-254-9 | Activated sludge | Analogous Compound | 15 hours | IC50 | 29 mg/l |
| pentane | 109-66-0 | Green algae | Experimental | 72 hours | EC50 | 10.7 mg/l |
| pentane | 109-66-0 | Rainbow trout | Experimental | 96 hours | LC50 | 4.26 mg/l |
| pentane | 109-66-0 | Water flea | Experimental | 48 hours | EC50 | 2.7 mg/l |
| pentane | 109-66-0 | Green algae | Experimental | 72 hours | NOEC | 2.04 mg/l |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Green algae | Estimated | 72 hours | EL50 | >1,000 mg/l |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Rainbow trout | Estimated | 96 hours | LL50 | >1,000 mg/l |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Water flea | Estimated | 48 hours | EL50 | >1,000 mg/l |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Green algae | Estimated | 72 hours | NOEL | 1,000 mg/l |
| isopentane | 78-78-4 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |

### 12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| acetone | 67-64-1 | Experimental Biodegradation | 28 days | BOD | 78 %BOD/ThOD | OECD 301D - Closed bottle test |
| acetone | 67-64-1 | Experimental Photolysis | | Photolytic half-life (in air) | 147 days (t 1/2) | |
| propane | 74-98-6 | Experimental Photolysis | | Photolytic half-life (in air) | 27.5 days (t 1/2) | |
| butane | 106-97-8 | Experimental Photolysis | | Photolytic half-life (in air) | 12.3 days (t 1/2) | |
| dimethyl ether | 115-10-6 | Experimental Biodegradation | 28 days | BOD | 5 %BOD/ThOD | OECD 301D - Closed bottle test |
| dimethyl ether | 115-10-6 | Experimental Photolysis | | Photolytic half-life (in air) | 12.4 days (t 1/2) | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Analogous Compound Biodegradation | 28 days | BOD | 74.4 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Estimated Biodegradation | 28 days | BOD | 98 %BOD/COD | OECD 301F - Manometric respirometry |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Estimated Biodegradation | 28 days | BOD | 77 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Estimated Biodegradation | 28 days | BOD | 98 %BOD/COD | OECD 301F - Manometric respirometry |
| isobutane | 75-28-5 | Experimental Photolysis | | Photolytic half-life (in air) | 13.4 days (t 1/2) | |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | 31393-98-3 | Experimental Biodegradation | 28 days | BOD | 4 %BOD/ThOD | OECD 301D - Closed bottle test |
| Butadiene-styrene-meta-divinylbenzene polymer | 26471-45-4 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Glycerol ester of hydrogenated rosin | 65997-13-9 | Experimental Biodegradation | 28 days | CO2 evolution | 47.3 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Analogous Compound Biodegradation | 28 days | BOD | 74.4 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Estimated Biodegradation | 28 days | BOD | 98 %BOD/COD | OECD 301F - Manometric respirometry |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Estimated Biodegradation | 28 days | BOD | 77 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Estimated Biodegradation | 28 days | BOD | 98 %BOD/COD | OECD 301F - Manometric respirometry |
| pentane | 109-66-0 | Experimental Biodegradation | 28 days | BOD | 87 %BOD/ThOD | OECD 301F - Manometric respirometry |
| pentane | 109-66-0 | Experimental Photolysis | | Photolytic half-life (in air) | 8.07 days (t 1/2) | |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Estimated Biodegradation | 28 days | BOD | 31.3 %BOD/ThOD | OECD 301F - Manometric respirometry |
| isopentane | 78-78-4 | Experimental Biodegradation | 28 days | BOD | 71.43 %BOD/ThOD | |
| isopentane | 78-78-4 | Experimental Photolysis | | Photolytic half-life (in air) | 8.11 days (t 1/2) | |

### 12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| acetone | 67-64-1 | Experimental BCF - Other | | Bioaccumulation factor | 0.65 | |
| acetone | 67-64-1 | Experimental Bioconcentration | | Log Kow | -0.24 | |
| propane | 74-98-6 | Experimental Bioconcentration | | Log Kow | 2.36 | |
| butane | 106-97-8 | Experimental Bioconcentration | | Log Kow | 2.89 | |
| dimethyl ether | 115-10-6 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Analogous Compound BCF - Fish | 28 days | Bioaccumulation factor | 540 | OECD305-Bioconcentration |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Analogous Compound Bioconcentration | | Log Kow | 4.66 | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Estimated Bioconcentration | | Log Kow | 3.6 | |
| isobutane | 75-28-5 | Experimental Bioconcentration | | Log Kow | 2.76 | |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane | 31393-98-3 | Experimental Bioconcentration | | Log Kow | 7.41 | |
| Butadiene-styrene-meta-divinylbenzene polymer | 26471-45-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Glycerol ester of hydrogenated rosin | 65997-13-9 | Estimated Bioconcentration | | Bioaccumulation factor | 7.4 | |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

| | | | | | | |
|---|---|---|---|---|---|---|
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Analogous Compound BCF - Fish | 28 days | Bioaccumulation factor | 540 | OECD305-Bioconcentration |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Analogous Compound Bioconcentration | | Log Kow | 4.66 | |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Estimated Bioconcentration | | Log Kow | 3.6 | |
| pentane | 109-66-0 | Estimated Bioconcentration | | Bioaccumulation factor | 26 | |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| isopentane | 78-78-4 | Experimental Bioconcentration | | Log Kow | 2.3 | |

**12.4. Mobility in soil**

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|---|---|---|---|---|---|
| acetone | 67-64-1 | Modeled Mobility in Soil | Koc | 9.7 l/kg | Episuite™ |
| dimethyl ether | 115-10-6 | Modeled Mobility in Soil | Koc | 3 l/kg | Episuite™ |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | Modeled Mobility in Soil | Koc | ≥202 l/kg | Episuite™ |
| Hydrocarbons, C6, isoalkanes, < 5% n- hexane | 931-254-9 | Modeled Mobility in Soil | Koc | ≥202 l/kg | Episuite™ |
| pentane | 109-66-0 | Estimated Mobility in Soil | Koc | 72 l/kg | Episuite™ |

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

This material does not contain any substances that are assessed to be a PBT or vPvB

**12.6. Endocrine disrupting properties**

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

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

## SECTION 13: Disposal considerations

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

Incinerate in a permitted waste incineration facility. Facility must be capable of handling aerosol cans. As a disposal alternative, utilize an acceptable permitted waste disposal facility. The facility should be equipped to handle gaseous waste. 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)**

20 01 27* Paint, inks, adhesives and resins containing dangerous substances

## SECTION 14: Transportation information

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|---|---|---|---|
| **14.1 UN number or ID number** | UN1950 | UN1950 | UN1950 |
| **14.2 UN proper shipping name** | AEROSOLS | AEROSOLS, FLAMMABLE | AEROSOLS |
| **14.3 Transport hazard class(es)** | 2.1 | 2.1 | 2.1 |
| **14.4 Packing group** | Not applicable. | Not applicable. | Not applicable. |
| **14.5 Environmental hazards** | Not Environmentally Hazardous | Not applicable | Not a Marine Pollutant |
| **14.6 Special precautions for user** | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| **14.7 Marine Transport in bulk according to IMO instruments** | No data available. | No data available. | No data available. |
| **Control Temperature** | No data available. | No data available. | No data available. |
| **Emergency Temperature** | No data available. | No data available. | No data available. |
| **ADR Classification Code** | 5F | Not applicable. | Not applicable. |
| **IMDG Segregation Code** | Not applicable. | Not applicable. | NONE |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

## SECTION 15: Regulatory information

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

**Regulation (EU) 2019/1148 (marketing and use of explosive precursors)**
This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts

should be reported to the relevant national contact point. Please see your local legislation.

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

**DIRECTIVE 2012/18/EU**
Seveso hazard categories, Annex 1, Part 1

| Hazard Categories | Qualifying quantity (tonnes) for the application of | |
|---|---|---|
| | Lower-tier requirements | Upper-tier requirements |
| P3a FLAMMABLE AEROSOLS | 150 (net) | 500 (net) |

Seveso named dangerous substances, Annex 1, Part 2

| Dangerous Substances | Identifier(s) | Qualifying quantity (tonnes) for the application of | |
|---|---|---|---|
| | | Lower-tier requirements | Upper-tier requirements |
| isopentane | 78-78-4 | 10 | 50 |
| acetone | 67-64-1 | 10 | 50 |
| pentane | 109-66-0 | 10 | 50 |
| dimethyl ether | 115-10-6 | 10 | 50 |
| butane | 106-97-8 | 10 | 50 |
| isobutane | 75-28-5 | 10 | 50 |
| propane | 74-98-6 | 10 | 50 |

**Regulation (EU) No 649/2012**
No chemicals listed

**15.2. Chemical Safety Assessment**
A chemical safety assessment has been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended.

## SECTION 16: Other information

**List of relevant H statements**

| | |
|---|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H224 | Extremely flammable liquid and vapour. |
| H225 | Highly flammable liquid and vapour. |
| H229 | Pressurised container: may burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |

**Revision information:**
Professional Use of Coatings: Section 16: Annex information was modified.
Section 1: Product identification numbers information was modified.

Section 01: SAP Material Numbers information was modified.
CLP: Ingredient table information was modified.
Label: CLP Classification information was modified.
Label: CLP Environmental Hazard Statements information was modified.
Label: CLP Percent Unknown information was deleted.
Label: CLP Precautionary - Prevention information was modified.
Label: CLP Precautionary - Response information was added.
Label: CLP Precautionary - Storage information was modified.
Label: Graphic information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 8: Eye/face protection information information was modified.
Section 8: glove data value information was modified.
Section 8: Occupational exposure limit table information was modified.
OEL Reg Agency Desc information was modified.
Section 8: Respiratory protection - recommended respirators information information was modified.
Section 9: Vapour density value information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Reproductive/developmental effects information information was deleted.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Target Organs - Repeated Table information was added.
Section 11: Target Organs - Repeated Table information was deleted.
Section 11: Target Organs - Single Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Mobility in soil information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12:Bioccumulative potential information information was modified.
Section 13: EU waste code (product as sold) information information was modified.
Section 13: EU waste code (product container after use) information information was deleted.
Section 14 Multiplier – Main Heading information was deleted.
Section 14 Multiplier – Regulation Data information was deleted.
Section 14 Transport Category – Main Heading information was deleted.
Section 14 Transport Category – Regulation Data information was deleted.
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was modified.
Section 14 Tunnel Code – Main Heading information was deleted.
Section 14 Tunnel Code – Regulation Data information was deleted.
Section 14 UN Number information was modified.
Section 15: Chemical Safety Assessment information was modified.
Section 15: Seveso Hazard Category Text information was added.
Section 15: Seveso Substance Text information was added.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.
Section 2: No PBT/vPvB information available warning information was added.

# Annex

| 1. Title | |
|---|---|
| **Substance identification** | Hydrocarbons, C6, isoalkanes, < 5% n- hexane;<br>EC No. 931-254-9;<br>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics;<br>EC No. 927-510-4; |

| | |
|---|---|
| **Exposure Scenario Name** | Professional Use of Coatings |
| **Lifecycle Stage** | Widespread use by professional workers |
| **Contributing activities** | PROC 11 -Non industrial spraying<br>ERC 08a -Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor) |
| **Processes, tasks and activities covered** | Application of product. Spraying of substances/mixtures. |
| **2. Operational conditions and risk management measures** | |
| **Operating Conditions** | **Physical state:**Liquid.<br>**General operating conditions:**<br>Assumes use at not more than 20°C above ambient temperature;<br>Duration of exposure per day at workplace [for one worker]: 8 hours/day;<br>Emission days per year: 365 days/year;<br>Indoor use;<br>Outdoor use; |
| **Risk management measures** | Under the operational conditions described above the following risk management measures apply:<br>**General risk management measures:**<br>**Human health:**<br>None needed;<br>**Environmental:**<br>None needed; |
| **Waste management measures** | No use-specific waste management measures are required for this product. Refer to Section 13 of main SDS for disposal instructions: |
| **3. Prediction of exposure** | |
| **Prediction of exposure** | Human and environmental exposures are not expected to exceed the DNELs and PNECs when the identified risk management measures are adopted. |

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

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