



Safety Data Sheet

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

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

1.1. Product identifier

3M(tm) Scotch-Weld(tm) Contact Rubber Adhesive 1300L TF High Temperature

Product Identification Numbers

UU-0015-1018-7

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 substance or mixture

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 |
|--|------------|---------|
| Naphtha (petroleum), hydrodesulfurised light, dearomatised | 92045-53-9 | 10 - 30 |
| Butanone | 78-93-3 | 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. |
| P260A | Do not breathe vapours. |
| P262 | Do not get in eyes, on skin, or on clothing. |

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. |
| P331 | Do NOT induce vomiting. |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. |
| 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 55% 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 CASR 64742-49-0 and 92045-53-9.

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.
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 CAS 64742-49-0 and 92045-53-9.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3M(tm) Scotch-Weld(tm) Contact Rubber Adhesive 1300L TF High Temperature

| Ingredient | CAS Nbr | EU Inventory | % by Wt | Classification |
|---|----------------|---------------------|----------------|--|
| Hydrotreated light naphtha (petroleum) | 64742-49-0 | EINECS 265-151-9 | 10 - 30 | Xn:R65 - Nota 4,P (EU) F:R11 (Vendor) Xi:R38; R67 (Self Classified) Asp. Tox. 1, H304 - Nota P (CLP) Flam. Liq. 2, H225; Skin Irrit. 2, H315; STOT SE 3, H336 (Self Classified) |
| Naphtha (petroleum), hydrodesulfurised light, dearomatised | 92045-53-9 | EINECS 295-434-2 | 10 - 30 | Xn:R65 - Nota 4,P (EU) F:R11; Xi:R38; R67 (Vendor) Asp. Tox. 1, H304 - Nota P (CLP) Flam. Liq. 2, H225; Skin Irrit. 2, H315; STOT SE 3, H336 (Vendor) |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide complex | 68037-42-3 | | 10 - 30 | |
| Butanone | 78-93-3 | EINECS 201-159-0 | 10 - 30 | F:R11; Xi:R36; R66; R67 (EU) Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066 (CLP) |
| Polychloroprene | 9010-98-4 | | 7 - 13 | |
| Propyl acetate | 109-60-4 | EINECS 203-686-1 | 7 - 13 | F:R11; Xi:R36; R66; R67 - Nota C (EU) R52 (Self Classified) Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336; EUH066 - Nota C (CLP) |
| n-Hexane | 110-54-3 | EINECS 203-777-6 | < 2 | Repr.Cat.3:R62; F:R11; Xn:R48/20; Xn:R65; Xi:R38; N:R51/53; R67 - Nota 4 (EU) 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 | < 1.0 | F:R11; Xn:R65; Xi:R38; N:R50/53; R67 - Nota 4 (EU) 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 | < 1.0 | R43 (EU) R52 (Self Classified) Skin Sens. 1B, H317 (CLP) |
| Talc | 14807-96-6 | EINECS 238- | < 1.0 | |

3M(tm) Scotch-Weld(tm) Contact Rubber Adhesive 1300L TF High Temperature

| | | | | |
|------------|-----------|------------------|-----------|--|
| | | 877-9 | | |
| Zinc oxide | 1314-13-2 | EINECS 215-222-5 | 0.5 - 1.0 | N:R50/53 (EU) 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**

Carbon monoxide.

Carbon dioxide.

Condition

During combustion.

During combustion.

5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

SECTION 6: Accidental release measures

3M(tm) Scotch-Weld(tm) Contact Rubber Adhesive 1300L TF High Temperature

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) 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 vapor 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 |
|------------|---------|--------|------------|---------------------|
|------------|---------|--------|------------|---------------------|

| |
|---|
| 3M(tm) Scotch-Weld(tm) Contact Rubber Adhesive 1300L TF High Temperature |
|---|

| | | | | |
|----------------|------------|--------|--|------------------------|
| Propyl acetate | 109-60-4 | UK HSC | TWA:849 mg/m ³ (200 ppm);STEL:1060 mg/m ³ (250 ppm) | |
| n-Hexane | 110-54-3 | UK HSC | TWA:72 mg/m ³ (20 ppm) | |
| Cyclohexane | 110-82-7 | UK HSC | TWA:350 mg/m ³ (100 ppm);STEL:1050 mg/m ³ (300 ppm) | |
| Talc | 14807-96-6 | UK HSC | TWA(as respirable dust):1 mg/m ³ | |
| Butanone | 78-93-3 | UK HSC | TWA: 600 mg/m ³ (200 ppm); STEL: 899 mg/m ³ (300 ppm) | Skin Notation |
| Rosin | 8050-09-7 | UK HSC | TWA(as fume):0.05 mg/m ³ ;STEL(as fume):0.15 mg/m ³ | Respiratory Sensitizer |

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

Biological limit values

| Ingredient | CAS Nbr | Agency | Determinant | Biological Specimen | Sampling Time | Value | Additional comments |
|------------|---------|------------------|-------------|---------------------|---------------|-----------|---------------------|
| Butanone | 78-93-3 | UK EH40 BMGVs | Butan-2-one | Urine | EOS | 70 umol/L | |

UK EH40 BMGVs : UK. EH40 Biological Monitoring Guidance Values (BMGVs)
EOS: End of shift.

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 (see just above) |
| Appearance/Odour | Yellow liquid, solvent odour |
| Odour threshold | <i>No data available.</i> |
| pH | <i>No data available.</i> |
| Boiling point/boiling range | ≥ 48 °C [<i>Details:Data for Aliphatic hydrocarbons</i>] |
| Melting point | <i>No data available.</i> |
| Flammability (solid, gas) | Not applicable. |
| Explosive properties | Not classified |
| Oxidising properties | Not classified |
| Flash point | ≤ 0 °C [<i>Test Method:Closed Cup</i>] [<i>Details:Data for Aliphatic hydrocarbons</i>] |
| Autoignition temperature | <i>No data available.</i> |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Vapour pressure | <i>No data available.</i> |
| Relative density | 0.85 - 0.87 [<i>Ref.Std:WATER=1</i>] |
| Water solubility | <i>No data available.</i> |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Vapour density | <i>No data available.</i> |
| Decomposition temperature | <i>No data available.</i> |
| Viscosity | 300 - 800 MPa-s |
| Density | <i>No data available.</i> |

9.2. Other information

| | |
|---|----------------------|
| Volatile organic compounds (VOC) | 67.5 - 74.5 % weight |
| Percent volatile | 67.5 - 74.5 % 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

Heat.
Sparks and/or flames.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

Substance

Condition

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not 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

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 localized redness, swelling, itching, dryness, cracking, blistering, and pain. Mechanical skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching. 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. Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

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:

3M(tm) Scotch-Weld(tm) Contact Rubber Adhesive 1300L TF High Temperature

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 | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Butanone | Dermal | Rabbit | LD50 > 8,050 mg/kg |
| Butanone | Inhalation-Vapor (4 hours) | Rat | LC50 34.5 mg/l |
| Butanone | Ingestion | Rat | LD50 2,737 mg/kg |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol, magnesium oxide complex | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Hydrotreated light naphtha (petroleum) | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Hydrotreated light naphtha (petroleum) | Inhalation-Vapor (4 hours) | Rat | LC50 > 14.7 mg/l |
| Hydrotreated light naphtha (petroleum) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Polychloroprene | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Polychloroprene | Ingestion | Rat | LD50 > 20,000 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 |
| 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 |
| 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 |
| Rosin | Dermal | Rabbit | LD50 > 2,500 mg/kg |
| Rosin | Ingestion | Rat | LD50 7,600 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 |
|--|------------------|---------------------------|
| Butanone | Rabbit | Minimal irritation |
| Hydrotreated light naphtha (petroleum) | Rabbit | Irritant |
| Polychloroprene | Human | No significant irritation |
| n-Hexane | Human and animal | Mild irritant |
| Zinc oxide | Human and animal | No significant irritation |
| Rosin | Rabbit | No significant irritation |
| Cyclohexane | Rabbit | Mild irritant |
| Talc | Rabbit | No significant irritation |

3M(tm) Scotch-Weld(tm) Contact Rubber Adhesive 1300L TF High Temperature**Serious Eye Damage/Irritation**

| Name | Species | Value |
|--|------------------------|---------------------------|
| Butanone | Rabbit | Severe irritant |
| Hydrotreated light naphtha (petroleum) | Rabbit | Mild irritant |
| Polychloroprene | Professional judgement | No significant irritation |
| n-Hexane | Rabbit | Mild irritant |
| Zinc oxide | Rabbit | Mild irritant |
| Rosin | Rabbit | Mild irritant |
| Cyclohexane | Rabbit | Mild irritant |
| Talc | Rabbit | No significant irritation |

Skin Sensitisation

| Name | Species | Value |
|--|------------|--|
| Hydrotreated light naphtha (petroleum) | Guinea pig | Not sensitizing |
| n-Hexane | Human | Not sensitizing |
| Zinc oxide | Guinea pig | Some positive data exist, but the data are not sufficient for classification |
| Rosin | Guinea pig | Sensitising |

Respiratory Sensitisation

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

Germ Cell Mutagenicity

| Name | Route | Value |
|--|----------|--|
| Butanone | In Vitro | Not mutagenic |
| Hydrotreated light naphtha (petroleum) | 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 |
|--|------------|---------|--|
| Butanone | Inhalation | Human | Not carcinogenic |
| Hydrotreated light naphtha (petroleum) | 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 |
|------|-------|-------|---------|-------------|----------|
|------|-------|-------|---------|-------------|----------|

3M(tm) Scotch-Weld(tm) Contact Rubber Adhesive 1300L TF High Temperature

| | | | | | Duration |
|-------------|------------|---|-------------------------|-----------------------|------------------------------|
| Butanone | Inhalation | Not toxic to female reproduction | Rat | NOAEL 14.7 mg/l | 90 days |
| Butanone | Inhalation | Not toxic to male reproduction | Rat | NOAEL 14.7 mg/l | 90 days |
| Butanone | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Rat | LOAEL 8.8 mg/l | during gestation |
| 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 |
|--|--------------|-----------------------------------|--|-------------------------|---------------------|--------------------------|
| Butanone | Inhalation | central nervous system depression | May cause drowsiness or dizziness | official classification | NOAEL Not available | |
| Butanone | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| Butanone | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL Not available | not applicable |
| Butanone | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 1,080 mg/kg | not applicable |
| Hydrotreated light naphtha (petroleum) | Inhalation | central nervous system depression | May cause drowsiness or dizziness | | NOAEL Not available | |
| Hydrotreated light naphtha (petroleum) | 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 | Human and | NOAEL Not available | |

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| | | | | | | |
|--|--|--|----------------|--------|--|--|
| | | | classification | animal | | |
|--|--|--|----------------|--------|--|--|

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|-------------|------------|---|--|------------|-----------------------|-----------------------|
| Butanone | Dermal | nervous system | All data are negative | Guinea pig | NOAEL Not available | 31 weeks |
| Butanone | Inhalation | liver kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 14.7 mg/l | 90 days |
| Butanone | Inhalation | heart endocrine system bone, teeth, nails, and/or hair hematopoietic system immune system muscles | All data are negative | Rat | NOAEL 14.7 mg/l | 90 days |
| Butanone | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL Not available | 7 days |
| Butanone | Ingestion | nervous system | All data are negative | Rat | NOAEL 173 mg/kg/day | 90 days |
| 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 bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL Not available | 13 weeks |
| 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 |

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|-------------|------------|---|--|-------|---------------------|-----------------------|
| 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 |
|--|-------------------|
| Hydrotreated light naphtha (petroleum) | 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 |
|--|------------|----------|---|----------|---------------|-------------|
| Hydrotreated light naphtha (petroleum) | 64742-49-0 | | Data not available or insufficient for classification | | | |
| Naphtha (petroleum), hydrodesulfurised light, dearomatised | 92045-53-9 | | Data not available or insufficient for classification | | | |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol, magnesium oxide complex | 68037-42-3 | | Data not available or insufficient for classification | | | |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol, magnesium oxide complex | 68037-42-3 | | Insufficient to classify | | | |
| Polychloroprene | 9010-98-4 | | Data not available or insufficient for classification | | | |
| Butanone | 78-93-3 | Ricefish | Experimental | 96 hours | LC50 | >100 mg/l |

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|----------------|------------|----------------|---|----------|------|------------|
| Butanone | 78-93-3 | Green algae | Experimental | 72 hours | NOEC | 93 mg/l |
| Butanone | 78-93-3 | Water flea | Experimental | 21 days | NOEC | 100 mg/l |
| 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 | Water flea | Experimental | 48 hours | EC50 | >3.9 mg/l |
| n-Hexane | 110-54-3 | Fathead minnow | Experimental | 96 hours | LC50 | 2.5 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 |
| Talc | 14807-96-6 | | Data not available or insufficient for classification | | | |
| Zinc oxide | 1314-13-2 | Green Algae | Experimental | 72 hours | EC50 | 0.046 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 | NOEC | 0.021 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|---|----------|-------------------------------|-------------------|---------------|
| Hydrotreated light naphtha (petroleum) | 64742-49-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Naphtha (petroleum), hydrodesulfurised light, dearomatised | 92045-53-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol, magnesium oxide complex | 68037-42-3 | 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 |
| Butanone | 78-93-3 | Estimated Photolysis | | Photolytic half-life (in air) | 2.8 days (t 1/2) | Other methods |
| Butanone | 78-93-3 | Experimental Biodegradation | 20 days | BOD | 89 % weight | Other methods |
| Cyclohexane | 110-82-7 | Experimental Photolysis | | Photolytic half-life (in air) | 4.14 days (t 1/2) | Other methods |
| Cyclohexane | 110-82-7 | Experimental | 28 days | BOD | 77 % weight | OECD 301F - |

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|----------------|------------|---|---------|-------------------------------|------------------|---------------------------|
| | | Biodegradation | | | | Manometric respirometry |
| n-Hexane | 110-54-3 | Experimental Photolysis | | Photolytic half-life (in air) | 5.4 days (t 1/2) | Other methods |
| n-Hexane | 110-54-3 | Experimental Bioconcentration | 28 days | BOD | 100 % weight | OECD 301C - MITI test (I) |
| Propyl acetate | 109-60-4 | Experimental Biodegradation | 14 days | BOD | 81 % 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 |
| Zinc oxide | 1314-13-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

12.3 : Bioaccumulative potential

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|---|----------|------------------------|-------------|---------------|
| Hydrotreated light naphtha (petroleum) | 64742-49-0 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Naphtha (petroleum), hydrodesulfurised light, dearomatised | 92045-53-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Formaldehyde, polymer with 4-(1,1-dimethylethyl) phenol, magnesium oxide complex | 68037-42-3 | 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 |
| Butanone | 78-93-3 | Experimental Bioconcentration | | Log Kow | 0.29 | Other methods |
| Cyclohexane | 110-82-7 | Experimental BCF-Carp | 56 days | Bioaccumulation factor | <129 | Other methods |
| n-Hexane | 110-54-3 | Modeled Bioconcentration | | Bioaccumulation factor | 138 | Other methods |
| Propyl acetate | 109-60-4 | Experimental Bioconcentration | | Log Kow | 1.24 | Other methods |
| Rosin | 8050-09-7 | Experimental | 10 days | Bioaccumulation | 220 | Other methods |

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|------------|------------|---|---------|------------------------|------|--|
| | | BCF - Rainbow Tr | | on factor | | |
| Talc | 14807-96-6 | 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 |

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

As a disposal alternative, incinerate in a permitted waste incineration 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

UU-0015-1018-7

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**

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

Section 13: EU waste code (product as sold) information information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12: Biocumulative potential information information was modified.

Section 1: Initial issue message information was modified.

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

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satisfy themselves as to the suitability of the product for their own intended applications.

3M United Kingdom MSDSs are available at www.3M.com/uk