

Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, December 2011)

SECTION 1: Identification

1.1. Product identifier

3M[™] HoldFast 70 Cylinder Spray Adhesive (Clear)

Product Identification Numbers 62-4983-8010-4 62-4983-8030-2

1.2. Recommended use and restrictions on use

Recommended use

Adhesive, Industrial use.

For Industrial or Professional use only.

1.3. Supplier's details

| Address: | 3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113 |
|------------|---|
| Telephone: | 136 136 |
| E Mail: | productinfo.au@mmm.com |
| Website: | www.3m.com.au |

1.4. Emergency telephone number EMERGENCY: 1800 097 146 (Australia only)

SECTION 2: Hazard identification

This product is classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011, in accordance with applicable State and Territory legislation.

Refer to Section 14 of this Safety Data Sheets for product Dangerous Goods Classification.

2.1. Classification of the substance or mixture

Flammable Liquid: Category 1. Specific Target Organ Toxicity (single exposure): Category 3

2.2. Label elements

The label elements below were prepared in accordance with the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, December 2011). This information may be different from the actual product

label.

Signal word

Danger

Symbols Flame |Exclamation mark |

Pictograms



Hazard statements H224

H336

Extremely flammable liquid and vapour. May cause drowsiness or dizziness.

Precautionary statements

| Prevention: | |
|--------------------|---|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| | |
| P240 | Ground and bond container and receiving equipment. |
| P241 | Use explosion-proof electrical, ventilating and lighting equipment. |
| P242 | Use non-sparking tools. |
| P243 | Take action to prevent static discharges. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P271 | Use only outdoors or in a well-ventilated area. |
| Response: | |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTRE or doctor/physician if you feel unwell. |
| P370 + P378 | In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish. |
| Storage: | |
| P403 + P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| Disposal: | |
| P501 | Dispose of contents/container in accordance with applicable local/regional/national/international regulations. |

2.3. Other assigned/identified product hazards

Aspiration classification does not apply as this product is sold in sealed, self-pressurized containers with nozzles designed to prevent formation of a stream during usage. May displace oxygen and cause rapid suffocation. Repeated exposure may cause skin dryness or cracking.

2.4. Other hazards which do not result in classification

Toxic to aquatic life.

SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | CAS Nbr | % by Weight | |
|-----------------------------|--------------|-------------|--|
| Dimethyl Ether | 115-10-6 | 40 - 50 | |
| Pentane | 109-66-0 | 20 - 30 | |
| Non-hazardous ingredients | Trade Secret | 15 - 20 | |
| Acetone | 67-64-1 | 1 - 7 | |
| Cyclopentane | 287-92-3 | < 1.5 | |
| 2-methyl butane | 78-78-4 | < 1.5 | |
| Cyclohexane | 110-82-7 | < 1 | |
| Heptane | 142-82-5 | < 1 | |
| Toluene | 108-88-3 | < 0.21 | |
| tris(nonylphenyl) phosphite | 26523-78-4 | < 0.1 | |

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

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, 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

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

Not applicable.

SECTION 5: Fire-fighting measures

5.1. Suitable 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 |
|--------------------------------|----------------|
|--------------------------------|----------------|

| <u>Condition</u> |
|--------------------|
| During combustion. |
| During combustion. |
| During combustion. |
| |

| Methane, | During combustion. |
|---------------------------------|--------------------|
| Carbon monoxide. | During combustion. |
| Carbon dioxide. | During combustion. |
| Ketones. | During combustion. |
| Toxic vapour, gas, particulate. | During combustion. |
| | |

5.3. Special protective actions 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.

Hazchem Code: 2YE

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 vapors, in accordance with good industrial hygiene practice. WARNING ! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapour accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Protect from sunlight. Store away from acids. Store away from oxidising agents.

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 |
|-----------------|----------|----------------|-----------------------------|-------------------------|
| Toluene | 108-88-3 | ACGIH | TWA:20 ppm | A4: Not class. as human |
| | | | | carcinogen, Ototoxicant |
| Toluene | 108-88-3 | Australia OELs | TWA(8 hours):191 mg/m3(50 | SKIN |
| | | | ppm);STEL(15 minutes):574 | |
| | | | mg/m3(150 ppm) | |
| Pentane | 109-66-0 | ACGIH | TWA:1000 ppm | |
| Pentane | 109-66-0 | Australia OELs | TWA(8 hours):1770 | |
| | | | mg/m3(600 ppm);STEL(15 | |
| | | | minutes):2210 mg/m3(750 | |
| | | | ppm) | |
| Cyclohexane | 110-82-7 | ACGIH | TWA:100 ppm | |
| Cyclohexane | 110-82-7 | Australia OELs | TWA(8 hours):350 | |
| | | | mg/m3(100 ppm);STEL(15 | |
| | | | minutes):1050 mg/m3(300 | |
| | | | ppm) | |
| Dimethyl Ether | 115-10-6 | AIHA | TWA:1880 mg/m3(1000 ppm) | |
| Dimethyl Ether | 115-10-6 | Australia OELs | TWA(8 hours):760 | |
| | | | mg/m3(400 ppm);STEL(15 | |
| | | | minutes):950 mg/m3(500 ppm) | |
| Heptane | 142-82-5 | ACGIH | TWA:400 ppm;STEL:500 ppm | |
| Heptane | 142-82-5 | Australia OELs | TWA(8 hours):1640 | |
| | | | mg/m3(400 ppm);STEL(15 | |
| | | | minutes):2050 mg/m3(500 | |
| | | | ppm) | |
| Cyclopentane | 287-92-3 | ACGIH | TWA:1000 ppm | |
| Cyclopentane | 287-92-3 | Australia OELs | TWA(8 hours): 1720 mg/m3 | |
| | | | (600 ppm) | |
| Acetone | 67-64-1 | ACGIH | TWA:250 ppm;STEL:500 ppm | A4: Not class. as human |
| | | | | carcin |
| Acetone | 67-64-1 | Australia OELs | TWA(8 hours):1185 | |
| | | | mg/m3(500 ppm);STEL(15 | |
| | | | minutes):2375 mg/m3(1000 | |
| | | | ppm) | |
| 2-methyl butane | 78-78-4 | ACGIH | TWA:1000 ppm | |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

Australia OELs : Australia. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

Sen: Sensitiser

Sk: Absorption through the skin may be a significant source of exposure.

8.2. Exposure controls

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. Use explosion-proof ventilation equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

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

Select and use eve protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337.

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: Polymer laminate

Select and use gloves according to AS/NZ 2161.

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

Half facepiece or full facepiece supplied-air respirator.

Organic vapour respirators may have short service life.

For questions about suitability for a specific application, consult with your respirator manufacturer. Select and use respirators according to AS/NZS 1715. Respirators should comply with AS/NZS 1716 performance specifications. For information about respirators, call 3M on 1800 024 464.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state | Liquid. | |
|--|-----------------------------------|--|
| Colour | Clear Yellow | |
| Odour | Solvent | |
| Odour threshold | No data available. | |
| рН | No data available. | |
| Melting point/Freezing point | No data available. | |
| Boiling point/Initial boiling point/Boiling range No data available. | | |
| Flash point | -41.1 °C [Test Method:Closed Cup] | |
| Evaporation rate | No data available. | |
| Flammability (solid, gas) | Not applicable. | |
| Flammable Limits(LEL) | No data available. | |
| Flammable Limits(UEL) | No data available. | |
| Vapour pressure | No data available. | |
| Vapor Density and/or Relative Vapor Density | >=1.6 [<i>Ref Std</i> :AIR=1] | |

| Density | 0.7 g/ml |
|--|---|
| Relative density | 0.68 - 0.7 [<i>Ref Std</i> :WATER=1] |
| Water solubility | Nil |
| Solubility- non-water | No data available. |
| Partition coefficient: n-octanol/water | No data available. |
| Autoignition temperature | No data available. |
| Decomposition temperature | Not applicable. |
| Viscosity/Kinematic Viscosity | No data available. |
| Volatile organic compounds (VOC) | No data available. |
| Percent volatile | No data available. |
| VOC less H2O & exempt solvents | <=560 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1] |
| Molecular weight | No data available. |
| Solids content | 15 - 25 % 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. Conditions to avoid

Sparks and/or flames.

10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

<u>Substance</u>

None known.

Condition

SECTION 11: Toxicological information

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

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

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

Inhalation

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

Dermal Defatting Prolonged or repeated exposure may cause: Dermal Defatting: Signs/symptoms may include localized redness, itching, drying and cracking of skin. Dermal Defatting: Signs/symptoms may include localised redness, itching, drying and cracking of skin.

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

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.

Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Toxicological Data

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

Acute Toxicity

| Name | Route | Species | Value |
|---------------------------|--------------------------------|---------------|--|
| Overall product | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 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 |
| Dimethyl Ether | Inhalation-Gas (4 hours) | Rat | LC50 164,000 ppm |
| 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 |
| Non-hazardous ingredients | Dermal | Not available | LD50 > 2,000 mg/kg |
| Non-hazardous ingredients | Ingestion | Not available | LD50 > 2,000 mg/kg |
| 2-methyl butane | Dermal | Rabbit | LD50 3,000 mg/kg |
| 2-methyl butane | Inhalation-Vapour (4 hours) | Rat | LC50 > 18 mg/l |
| 2-methyl butane | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Cyclopentane | Dermal | | LD50 estimated to be $> 5,000 \text{ mg/kg}$ |
| Cyclopentane | Inhalation-Vapour (4 hours) | Rat | LC50 > 25.3 mg/l |
| Cyclopentane | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Cyclohexane | Dermal | Rat | LD50 > 2,000 mg/kg |
| Cyclohexane | Inhalation-Vapour (4 hours) | Rat | LC50 > 32.9 mg/l |
| Cyclohexane | Ingestion | Rat | LD50 6,200 mg/kg |
| Heptane | Dermal | Rabbit | LD50 3,000 mg/kg |

| Heptane | Inhalation-Vapour (4 hours) | Rat | LC50 103 mg/l |
|-----------------------------|-----------------------------|--------|---------------------|
| Heptane | Ingestion | Rat | LD50 > 15,000 mg/kg |
| Toluene | Dermal | Rat | LD50 12,000 mg/kg |
| Toluene | Inhalation-Vapour (4 hours) | Rat | LC50 30 mg/l |
| Toluene | Ingestion | Rat | LD50 5,550 mg/kg |
| tris(nonylphenyl) phosphite | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| tris(nonylphenyl) phosphite | Ingestion | Rat | LD50 19,500 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|-----------------------------|------------------------|---------------------------|
| | _ | |
| Pentane | Rabbit | Minimal irritation |
| Acetone | Mouse | Minimal irritation |
| Non-hazardous ingredients | Professional judgement | No significant irritation |
| 2-methyl butane | Rabbit | Minimal irritation |
| Cyclopentane | Rabbit | Minimal irritation |
| Cyclohexane | Rabbit | Mild irritant |
| Heptane | Human | Mild irritant |
| Toluene | Rabbit | Irritant |
| tris(nonylphenyl) phosphite | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|-----------------------------|------------------------|---------------------------|
| | | |
| Pentane | Rabbit | Mild irritant |
| Acetone | Rabbit | Severe irritant |
| Non-hazardous ingredients | Professional judgement | No significant irritation |
| 2-methyl butane | Rabbit | Mild irritant |
| Cyclopentane | Rabbit | Mild irritant |
| Cyclohexane | Rabbit | Mild irritant |
| Heptane | Professional judgement | Moderate irritant |
| Toluene | Rabbit | Moderate irritant |
| tris(nonylphenyl) phosphite | Rabbit | No significant irritation |

Skin Sensitisation

| Name | Species | Value |
|-----------------------------|------------|----------------|
| | | |
| Pentane | Guinea pig | Not classified |
| Non-hazardous ingredients | | Not classified |
| 2-methyl butane | Guinea pig | Not classified |
| Toluene | Guinea pig | Not classified |
| tris(nonylphenyl) phosphite | Guinea pig | Sensitising |

Respiratory Sensitisation

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

Germ Cell Mutagenicity

| Name | Route | Value |
|----------------|----------|--|
| | | |
| Pentane | In vivo | Not mutagenic |
| Pentane | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Dimethyl Ether | In Vitro | Not mutagenic |
| Dimethyl Ether | In vivo | Not mutagenic |

| Acetone | In vivo | Not mutagenic |
|-----------------------------|----------|--|
| Acetone | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 2-methyl butane | In vivo | Not mutagenic |
| 2-methyl butane | In Vitro | 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 |
| Heptane | In Vitro | Not mutagenic |
| Toluene | In Vitro | Not mutagenic |
| Toluene | In vivo | Not mutagenic |
| tris(nonylphenyl) phosphite | In Vitro | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|-----------------------------|----------------|-------------------------|--|
| Dimethyl Ether | Inhalation | Rat | Not carcinogenic |
| Acetone | Not specified. | Multiple animal species | Not carcinogenic |
| Toluene | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Toluene | Ingestion | Rat | Some positive data exist, but the data are not sufficient for classification |
| Toluene | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |
| tris(nonylphenyl) phosphite | Ingestion | Rat | Not carcinogenic |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|-----------------|------------|----------------------|---------|-------------|--------------------------|
| Pentane | Ingestion | Not classified for | Rat | NOAEL | during |
| | | development | | 1,000 | organogenesis |
| | | | | mg/kg/day | |
| Pentane | Inhalation | Not classified for | Rat | NOAEL 30 | during |
| | | development | | mg/l | organogenesis |
| Dimethyl Ether | Inhalation | Not classified for | Rat | NOAEL | during |
| | | development | | 40,000 ppm | organogenesis |
| Acetone | Ingestion | Not classified for | Rat | NOAEL | 13 weeks |
| | | male reproduction | | 1,700 | |
| | | | | mg/kg/day | |
| Acetone | Inhalation | Not classified for | Rat | NOAEL 5.2 | during |
| | | development | | mg/l | organogenesis |
| 2-methyl butane | Ingestion | Not classified for | Rat | NOAEL | during |
| | | development | | 1,000 | organogenesis |
| | | | | mg/kg/day | |
| 2-methyl butane | Inhalation | Not classified for | Rat | NOAEL 30 | during |
| | | development | | mg/l | organogenesis |
| Cyclohexane | Inhalation | Not classified for | Rat | NOAEL 24 | 2 generation |
| | | female reproduction | | mg/l | |
| Cyclohexane | Inhalation | Not classified for | Rat | NOAEL 24 | 2 generation |
| | | male reproduction | | mg/l | |
| Cyclohexane | Inhalation | Not classified for | Rat | NOAEL 6.9 | 2 generation |
| | | development | | mg/l | |
| Toluene | Inhalation | Not classified for | Human | NOAEL Not | occupational |
| | | female reproduction | | available | exposure |
| Toluene | Inhalation | Not classified for | Rat | NOAEL 2.3 | 1 generation |
| | | male reproduction | | mg/l | |
| Toluene | Ingestion | Toxic to development | Rat | LOAEL 520 | during gestation |

| | | | | mg/kg/day | |
|-------------------|------------|----------------------|-------|-----------|------------------|
| Toluene | Inhalation | Toxic to development | Human | NOAEL Not | poisoning and/or |
| | | | | available | abuse |
| tris(nonylphenyl) | Ingestion | Not classified for | Rat | NOAEL | 1 generation |
| phosphite | | development | | 1,000 | |
| | | _ | | mg/kg/day | |
| tris(nonylphenyl) | Ingestion | Not classified for | Rat | NOAEL 200 | 1 generation |
| phosphite | | female reproduction | | mg/kg/day | |
| tris(nonylphenyl) | Ingestion | Not classified for | Rat | NOAEL | 1 generation |
| phosphite | - | male reproduction | | 1,000 | - |
| | | _ | | mg/kg/day | |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|--------------------|------------|---|--|----------------------------|------------------------|------------------------|
| 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 sensitization | 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 |
| Dimethyl Ether | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Rat | LOAEL 10,000 ppm | 30 minutes |
| Dimethyl Ether | Inhalation | cardiac sensitization | Some positive data exist, but the data are not sufficient for classification | Dog | NOAEL 100,000 ppm | 5 minutes |
| 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 |
| 2-methyl butane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Multiple animal species | NOAEL Not available | not available |
| 2-methyl butane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for | Not available | NOAEL Not available | not available |

| | | | classification | | | |
|--------------------|------------|---|--|------------------------|------------------------|---------------------------|
| 2-methyl butane | Inhalation | cardiac sensitization | Not classified | Dog | NOAEL Not available | not available |
| 2-methyl butane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | not available |
| Cyclopentane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | similar compounds | NOAEL Not available | |
| Cyclopentane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| Cyclohexane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Cyclohexane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human and animal | NOAEL Not available | |
| Cyclohexane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| Heptane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| Heptane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| Heptane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| Toluene | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| Toluene | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| Toluene | Inhalation | immune system | Not classified | Mouse | NOAEL 0.004 mg/l | 3 hours |
| Toluene | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---------|------------|--|----------------|---------|------------------------|-----------------------|
| 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 | Not classified | Rat | NOAEL 20 mg/l | 13 weeks |

| | 1 | | 1 | - 1 | r | 1 |
|--------------------|------------|---|----------------|------------|---------------------------|-----------------------|
| | | hematopoietic system liver immune system muscles nervous system eyes kidney | | | | |
| | | and/or bladder respiratory system | | | | |
| Pentane | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 2,000 mg/kg/day | 28 days |
| 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 |
| 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 bladder | Not classified | Rat | NOAEL 900 mg/kg/day | 13 weeks |
| 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 |
| 2-methyl butane | Inhalation | peripheral nervous system | Not classified | Human | NOAEL Not available | occupational exposure |
| 2-methyl butane | 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 |
| 2-methyl butane | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 2,000 mg/kg/day | 28 days |

| Cyclohexane | Inhalation | liver | Not classified | Rat | NOAEL 24 mg/l | 90 days |
|---------------------------------|------------|--|--|----------------------------|--------------------------|---------------------------|
| Cyclohexane | Inhalation | auditory system | Not classified | Rat | NOAEL 1.7 mg/l | 90 days |
| Cyclohexane | Inhalation | kidney and/or bladder | Not classified | Rabbit | NOAEL 2.7 mg/l | 10 weeks |
| Cyclohexane | Inhalation | hematopoietic system | Not classified | Mouse | NOAEL 24 mg/l | 14 weeks |
| Cyclohexane | Inhalation | peripheral nervous system | Not classified | Rat | NOAEL 8.6 mg/l | 30 weeks |
| Heptane | Inhalation | liver nervous system kidney and/or bladder | Not classified | Rat | NOAEL 12 mg/l | 26 weeks |
| Toluene | Inhalation | auditory system eyes olfactory system | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | poisoning and/or abuse |
| Toluene | Inhalation | nervous system | May cause damage to organs though prolonged or repeated exposure | Human | NOAEL Not available | poisoning and/or abuse |
| Toluene | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 2.3 mg/l | 15 months |
| Toluene | Inhalation | heart liver kidney and/or bladder | Not classified | Rat | NOAEL 11.3 mg/l | 15 weeks |
| Toluene | Inhalation | endocrine system | Not classified | Rat | NOAEL 1.1 mg/l | 4 weeks |
| Toluene | Inhalation | immune system | Not classified | Mouse | NOAEL Not available | 20 days |
| Toluene | Inhalation | bone, teeth, nails, and/or hair | Not classified | Mouse | NOAEL 1.1 mg/l | 8 weeks |
| Toluene | Inhalation | hematopoietic system vascular system | Not classified | Human | NOAEL Not available | occupational exposure |
| Toluene | Inhalation | gastrointestinal tract | Not classified | Multiple animal species | NOAEL 11.3 mg/l | 15 weeks |
| Toluene | Ingestion | nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 625 mg/kg/day | 13 weeks |
| Toluene | Ingestion | heart | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| Toluene | Ingestion | liver kidney and/or bladder | Not classified | Multiple animal species | NOAEL 2,500 mg/kg/day | 13 weeks |
| Toluene | Ingestion | hematopoietic system | Not classified | Mouse | NOAEL 600 mg/kg/day | 14 days |
| Toluene | Ingestion | endocrine system | Not classified | Mouse | NOAEL 105 mg/kg/day | 28 days |
| Toluene | Ingestion | immune system | Not classified | Mouse | NOAEL 105 mg/kg/day | 4 weeks |
| tris(nonylphen yl) phosphite | Ingestion | liver | Not classified | Rat | NOAEL 500 mg/kg/day | 2 years |
| tris(nonylphen yl) phosphite | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 200 mg/kg/day | 1 generation |
| tris(nonylphen | Ingestion | respiratory | Not classified | Rat | NOAEL 500 | 2 years |

| yl) phosphite | system | | mg/kg/day | |
|---------------|--------|--|-----------|--|

Aspiration Hazard

| Name | Value |
|-----------------|-------------------|
| Pentane | Aspiration hazard |
| 2-methyl butane | Aspiration hazard |
| Cyclopentane | Aspiration hazard |
| Cyclohexane | Aspiration hazard |
| Heptane | Aspiration hazard |
| Toluene | Aspiration hazard |

Exposure Levels

Refer Section 8.1 Control Parameters of this Safety Data Sheet.

Interactive Effects

Not determined.

SECTION 12: Ecological information

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

12.1. Toxicity

Acute aquatic hazard:

GHS Acute 2: Toxic to aquatic life.

Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

| Material | CAS Number | Organism | Туре | Exposure | Test endpoint | Test result |
|---------------------------|--------------|-------------------------------|---|----------|---------------|-------------|
| 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 |
| 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 |
| Non-hazardous ingredients | Trade Secret | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| 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 |
| Cyclopentane | 287-92-3 | Water flea | Experimental | 48 hours | EC50 | 10.5 mg/l |
| 2-methyl butane | 78-78-4 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Cyclohexane | 110-82-7 | Bacteria | Experimental | 24 hours | IC50 | 97 mg/l |
| Cyclohexane | 110-82-7 | Fathead minnow | Experimental | 96 hours | LC50 | 4.53 mg/l |

| Cyclohexane | 110-82-7 | Water flea | Experimental | 48 hours | EC50 | 0.9 mg/l |
|--------------------------------|------------|------------------|--------------|----------|-----------------------------------|---------------------------------|
| Heptane | 142-82-5 | Water flea | Experimental | 48 hours | EC50 | 1.5 mg/l |
| Heptane | 142-82-5 | Water flea | Estimated | 21 days | NOEC | 0.17 mg/l |
| Toluene | 108-88-3 | Coho Salmon | Experimental | 96 hours | LC50 | 5.5 mg/l |
| Toluene | 108-88-3 | Grass Shrimp | Experimental | 96 hours | LC50 | 9.5 mg/l |
| Toluene | 108-88-3 | Green algae | Experimental | 72 hours | EC50 | 12.5 mg/l |
| Toluene | 108-88-3 | Leopard frog | Experimental | 9 days | LC50 | 0.39 mg/l |
| Toluene | 108-88-3 | Pink Salmon | Experimental | 96 hours | LC50 | 6.41 mg/l |
| Toluene | 108-88-3 | Water flea | Experimental | 48 hours | EC50 | 3.78 mg/l |
| Toluene | 108-88-3 | Coho Salmon | Experimental | 40 days | NOEC | 1.39 mg/l |
| Toluene | 108-88-3 | Diatom | Experimental | 72 hours | NOEC | 10 mg/l |
| Toluene | 108-88-3 | Water flea | Experimental | 7 days | NOEC | 0.74 mg/l |
| Toluene | 108-88-3 | Activated sludge | Experimental | 12 hours | IC50 | 292 mg/l |
| Toluene | 108-88-3 | Bacteria | Experimental | 16 hours | NOEC | 29 mg/l |
| Toluene | 108-88-3 | Bacteria | Experimental | 24 hours | EC50 | 84 mg/l |
| Toluene | 108-88-3 | Redworm | Experimental | 28 days | LC50 | >150 mg per kg of bodyweight |
| Toluene | 108-88-3 | Soil microbes | Experimental | 28 days | NOEC | <26 mg/kg (Dry Weight) |
| tris(nonylphenyl) phosphite | 26523-78-4 | Green algae | Experimental | 72 hours | No tox obs at lmt of water sol | >100 mg/l |
| tris(nonylphenyl) phosphite | 26523-78-4 | Rainbow trout | Experimental | 96 hours | No tox obs at lmt of water sol | >100 mg/l |
| tris(nonylphenyl) phosphite | 26523-78-4 | Water flea | Experimental | 48 hours | EC50 | 0.3 mg/l |
| tris(nonylphenyl) phosphite | 26523-78-4 | Blackworm | Experimental | 28 days | EC10 | 44 mg/kg (Wet Weight) |
| tris(nonylphenyl) phosphite | 26523-78-4 | Green algae | Experimental | 72 hours | No tox obs at lmt of water sol | >100 mg/l |

12.2. Persistence and degradability

| Material | CAS Number | Test type | Duration | Study Type | Test result | Protocol |
|---------------------------|--------------|--|----------|----------------------------------|---------------------|--|
| | | | | | | |
| 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) | |
| 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) | |
| Non-hazardous ingredients | Trade Secret | Data not available- insufficient | N/A | N/A | N/A | N/A |
| 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) | |
| Cyclopentane | 287-92-3 | Experimental Biodegradation | 28 days | BOD | 0 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Cyclopentane | 287-92-3 | Experimental Photolysis | | Photolytic half-life (in air) | 6.11 days (t 1/2) | |
| 2-methyl butane | 78-78-4 | Experimental Biodegradation | 28 days | BOD | 71.43 %BOD/ThO D | |
| 2-methyl butane | 78-78-4 | Experimental Photolysis | | Photolytic half-life (in air) | 8.11 days (t 1/2) | |
| Cyclohexane | 110-82-7 | Experimental Biodegradation | 28 days | BOD | 77 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Cyclohexane | 110-82-7 | Experimental Photolysis | | Photolytic half-life (in air) | 4.14 days (t 1/2) | |
| Heptane | 142-82-5 | Experimental Biodegradation | 28 days | BOD | 101 %BOD/ThOD | OECD 301C - MITI test (I) |
| Heptane | 142-82-5 | Experimental | | Photolytic half-life | 4.24 days (t 1/2) | |

| | | Photolysis | | (in air) | | |
|-------------------|------------|----------------|---------|----------------------|------------------|---------------------------|
| Toluene | 108-88-3 | Experimental | 20 days | BOD | 80 %BOD/ThOD | APHA Std Meth |
| | | Biodegradation | | | | Water/Wastewater |
| Toluene | 108-88-3 | Experimental | | Photolytic half-life | 5.2 days (t 1/2) | |
| | | Photolysis | | (in air) | | |
| tris(nonylphenyl) | 26523-78-4 | Experimental | 28 days | BOD | <4 %BOD/ThOD | OECD 301D - Closed bottle |
| phosphite | | Biodegradation | | | | test |

12.3 : Bioaccumulative potential

| Material | CAS Number | Test type | Duration | Study Type | Test result | Protocol |
|--------------------------------|--------------|---|----------|---------------------------|-------------|--------------------------|
| Dimethyl Ether | 115-10-6 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Pentane | 109-66-0 | Estimated Bioconcentration | | Bioaccumulation factor | 26 | |
| Non-hazardous ingredients | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Acetone | 67-64-1 | Experimental BCF - Other | | Bioaccumulation factor | 0.65 | |
| Acetone | 67-64-1 | Experimental Bioconcentration | | Log Kow | -0.24 | |
| Cyclopentane | 287-92-3 | Experimental Bioconcentration | | Log Kow | 3.00 | |
| 2-methyl butane | 78-78-4 | Experimental Bioconcentration | | Log Kow | 2.3 | |
| Cyclohexane | 110-82-7 | Experimental BCF - Fish | 56 days | Bioaccumulation factor | 129 | OECD305-Bioconcentration |
| Heptane | 142-82-5 | Estimated Bioconcentration | | Bioaccumulation factor | 105 | |
| Toluene | 108-88-3 | Experimental BCF - Other | 72 hours | Bioaccumulation factor | 90 | |
| Toluene | 108-88-3 | Experimental Bioconcentration | | Log Kow | 2.73 | |
| tris(nonylphenyl) phosphite | 26523-78-4 | Experimental Bioconcentration | | Log Kow | 14 | |

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

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

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility.

SECTION 14: Transport Information

Australian Dangerous Goods Code (ADG) - Road/Rail Transport

UN No.: UN3501 Proper shipping name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S., (DIMETHYL ETHER, PENTANE) Class/Division: 2.1 Sub Risk: Not applicable. Packing Group: Not applicable. Hazchem Code: 2YE IERG: 04

International Air Transport Association (IATA) - Air Transport

UN No.: UN3501 Proper shipping name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S., (DIMETHYL ETHER, PENTANE) Class/Division: 2.1 Sub Risk: Not applicable. Packing Group: Not applicable.

International Maritime Dangerous Goods Code (IMDG)- Marine Transport UN No.: UN3501 Proper shipping name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S., (DIMETHYL ETHER, PENTANE) Class/Division: 2.1 Sub Risk: Not applicable. Packing Group: Not applicable. Marine Pollutant: Not applicable.

SECTION 15: Regulatory information

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

Australian Inventory Status:

The chemical components contained within this product are listed on the Australian Inventory of Chemical Substances and are in compliance with the requirements of the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

Poison Schedule: This product is intended for Industrial or Professional Use only and therefore is not packaged and labelled in accordance with the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons.

SECTION 16: Other information

Revision information:

Complete document review.

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 Safety 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.

Greenguard ® is a United States based program. The 'Low VOC' reference related to United States Federal and State regulations exemptions for some solvents.

3M Australia SDSs are available at www.3m.com.au