

# **Safety Data Sheet**

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This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances (Safety Data Sheets) Notice 2017.

# **SECTION 1: Identification**

#### 1.1. Product identifier

3M<sup>TM</sup> Adhesion Promoter, PN 06396

#### **Product Identification Numbers**

70-0706-9843-9

#### 1.2. Recommended use and restrictions on use

#### Recommended use

Automotive., Adhesion promoter absorbed on a sponge for use with attachment tapes

For Industrial or Professional use only

#### 1.3. Supplier's details

Address: 3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland

**Telephone:** (09) 477 4040

E Mail: innovation@nz.mmm.com

Website: 3m.co.nz

#### 1.4. Emergency telephone number

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

## SECTION 2: Hazard identification

Classified as hazardous in accordance with the relevant criteria of the HSNO Act 1996 and the Hazardous Substances (Hazard Classification) Notice 2020.

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

#### 2.1. Classification of the substance or mixture

Flammable Liquids: Category 2 Skin sensitisation: Category 1 Carcinogenicity: Category 2 Reproductive Toxicity: Category 1

Specific target organ toxicity – single exposure: Category 1 Specific target organ toxicity – repeated exposure: Category 1

Specific target organ toxicity – single exposure: Category 3 narcotic effects

Hazardous to the aquatic environment acute: Category 1 Hazardous to the aquatic environment chronic: Category 3

# 2.2. Label elements SIGNAL WORD

Danger

#### **Symbols:**

Flame |Exclamation mark |Health Hazard |Environment |





#### **HAZARD STATEMENTS:**

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child. H336 May cause drowsiness or dizziness.

H370 Causes damage to organs: sensory organs.

H372 Causes damage to organs through prolonged or repeated exposure: nervous system.

H373 May cause damage to organs through prolonged or repeated exposure: sensory organs.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

#### PRECAUTIONARY STATEMENTS

General

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280K Wear protective gloves and respiratory protection.

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#### 3MTM Adhesion Promoter, PN 06396

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.

P308 + P313 IF exposed or concerned: Get medical advice/attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

P370 + P378 In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry

chemical or carbon dioxide to extinguish.

P391 Collect spillage.

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 hazards

Aspiration classification does not apply due to the viscosity of the product.

# **SECTION 3: Composition/information on ingredients**

Ingredient	CAS Nbr	% by Weight
Cyclohexane	110-82-7	30 - 60
Xylene	1330-20-7	15 - 40
Ethanol	64-17-5	5 - 10
Ethylbenzene	100-41-4	< 10
Ethyl acetate	141-78-6	1 - 5
Chlorinated Rubber	68609-36-9	1 - 5
Acrylate Polymer	Trade Secret	1 - 5
Methanol	67-56-1	< 0.5
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	25068-38-6	< 0.5
Beta-(3,4-epoxycyclohexyl) ethytrimethoxy silane	3388-04-3	< 0.5
Toluene	108-88-3	< 0.3
Chlorobenzene	108-90-7	< 0.2
Maleic anhydride	108-31-6	< 0.02

# **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 for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

#### If swallowed

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

## 4.2. Most important symptoms and effects, both acute and delayed

The most important symptoms and effects based on the CLP classification include:

#### 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**

SubstanceConditionCarbon monoxide.During combustion.Carbon dioxide.During combustion.Hydrogen ChlorideDuring 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.

#### **5.4. Hazchem code:** 1Z

#### **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 vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 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/international regulations.

# **SECTION 7: Handling and storage**

Refer to Section 15 - Controls for more information

#### 7.1. Precautions for safe handling

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 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. Certified handler

Not required

# **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 Ethylbenzene	<b>CAS Nbr</b> 100-41-4	<b>Agency</b> ACGIH	Limit type TWA:20 ppm	Additional comments A3: Confirmed animal carcin., Ototoxicant
Ethylbenzene	100-41-4	New Zealand WES	TWA(8 hours):88 mg/m3(20 ppm);STEL(15 minutes):176 mg/m3(40 ppm)	Skin
Maleic anhydride	108-31-6	ACGIH	TWA(inhalable fraction and vapor):0.01 mg/m3	A4: Not class. as human carcin, Dermal/Respiratory Sensitizer
Maleic anhydride	108-31-6	New Zealand WES	TWA(inhalable fraction and vapor)(8 hours):0.01 mg/m3(0.0025 ppm)	Capable of csng resp/skin sens
Toluene	108-88-3	ACGIH	TWA:20 ppm	A4: Not class. as human carcinogen, Ototoxicant
Toluene	108-88-3	New Zealand WES	TWA(8 hours):75 mg/m3(20 ppm);STEL(15 minutes):377 mg/m3(100 ppm)	Skin
Chlorobenzene	108-90-7	ACGIH	TWA:10 ppm	A3: Confirmed animal carcinogen.
Chlorobenzene	108-90-7	New Zealand WES	TWA(8 hours):46 mg/m3(10 ppm)	
Cyclohexane	110-82-7	ACGIH	TWA:100 ppm	
Cyclohexane	110-82-7	New Zealand WES	TWA(8 hours):350 mg/m3(100 ppm);STEL(15 minutes):1050	

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			mg/m3(300 ppm)	
Xylene	1330-20-7	ACGIH	TWA:20 ppm	A4: Not class. as human carcinogin
Xylene	1330-20-7	New Zealand WES	TWA(8 hours):217 mg/m3(50 ppm)	
Ethyl acetate	141-78-6	ACGIH	TWA:400 ppm	
Ethyl acetate	141-78-6	New Zealand WES	TWA(8 hours):720 mg/m3(200 ppm)	
Ethanol	64-17-5	ACGIH	STEL:1000 ppm	A3: Confirmed animal carcinogen.
Ethanol	64-17-5	New Zealand WES	TWA(8 hours):1880 mg/m3(1000 ppm)	
Methanol	67-56-1	ACGIH	TWA:200 ppm;STEL:250 ppm	Danger of cutaneous absorption
Methanol	67-56-1	New Zealand WES	TWA(8 hours):262 mg/m3(200 ppm);STEL(15 minutes):328 mg/m3(250 ppm)	*

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CMRG: Chemical Manufacturer's Recommended Guidelines New Zealand WES: New Zealand Workplace Exposure Standards.

TWA: Time-Weighted-Average STEL: Short Term Exposure Limit ppm: parts per million

mg/m<sup>3</sup>: milligrams per cubic metre

CEIL: Ceiling

#### 8.2. Exposure controls

#### **8.2.1.** Engineering controls

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

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

#### **Eye/face protection**

None required.

#### 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

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 supplied-air respirator.

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

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 - Respiratory protective devices.

# SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Specific Physical Form:   Sponge holding approximately 2 milliliters of liquid.	information on basic physical and chemical properti	es		
Vellow   Vellow   Vellow   Solvent   Odour   Solvent   No data available.	Physical state	Liquid.		
Odour threshold  Odour threshold  PH  A4 - 5 [Test Method: Tested per ASTM protocol] [Details:@23°C]  Melting point/Freezing point  Boiling point/Initial boiling point/Boiling range  Boiling point/Initial boiling point/Boiling range  Flash point  1.1 °C [Test Method: Tested per ASTM protocol] [Details:@760mmHg]  1.1 °C [Test Method: Setaflash]  Evaporation rate  6.4 [Test Method: Estimated] [Ref Std: XYLENE=1]  Flammability (solid, gas)  Not applicable.  Flammable Limits(LEL)  1 % [Test Method: Estimated]  Flammable Limits(UEL)  6 % [Test Method: Estimated]  Flammable Limits(UEL)  1,092.4 Pa [@ 20 °C] [Test Method: Tested per ASTM protocol]  Vapour pressure  11,092.4 Pa [@ 20 °C] [Test Method: Tested per ASTM protocol]  Vapour pensity and/or Relative Vapor Density  1.7 [Test Method: Estimated] [Ref Std: AIR=1]  Density  0.82 [ml]  Relative density  0.82 [ml]  Water solubility  10 %  Solubility- non-water  No data available.  No data available.  Autoignition temperature  No data available.  Viscosity/Kinematic Viscosity  <= 25 mPa-s  <=781 g/l [Test Method: calculated SCAQMD rule 443.1]  [Details: Calculated]  Percent volatile  VOC less H2O & exempt solvents	Specific Physical Form:	Sponge holding approximately 2 milliliters of liquid.		
No data available.	Colour	Yellow		
Ad 5   Test Method: Tested per ASTM protocol   [Details: @23°C]	Odour	Solvent		
Details:@23°C    Not applicable.   Not applicable.   Tast Method:Tested per ASTM protocol]   Details:@760mmHg    Details:Calculated    Ref Std:XYLENE=1    Details:Calculated    Details:Cal	Odour threshold	No data available.		
Tash point   Tiest Method: Tested per ASTM protocol   Details: @760mmHg	рН			
[Details:@760mmHg]   1.1 °C [Test Method: Setaflash]	Melting point/Freezing point	Not applicable.		
Test Method: Setaflash   Set	Boiling point/Initial boiling point/Boiling range	1 1 1		
Evaporation rate  6.4 [Test Method:Estimated] [Ref Std:XYLENE=1] Flammability (solid, gas) Not applicable.  1 % [Test Method:Estimated] Flammable Limits(LEL) 1 % [Test Method:Estimated] Vapour pressure 11,092.4 Pa [@ 20 °C ] [Test Method:Tested per ASTM protocol] Vapor Density and/or Relative Vapor Density 1.7 [Test Method:Estimated] [Ref Std:AIR=1] Density 0.82 g/ml Relative density 0.82 [Ref Std:WATER=1] Water solubility 10 % Solubility- non-water No data available. Partition coefficient: n-octanol/water Autoignition temperature Viscosity/Kinematic Viscosity Verenature Viscosity/Kinematic Viscosity Verenature Volatile organic compounds (VOC)  Percent volatile  # 95 %  VOC less H2O & exempt solvents    Notation temperature   Lest Method: calculated SCAQMD rule 443.1]   Details: Calculated]   Details: Calculated]	Flash point			
Flammability (solid, gas)  Flammable Limits(LEL)  Flammable Limits(UEL)  Vapour pressure  11,092.4 Pa [@ 20 °C ] [Test Method: Estimated]  Vapor Density and/or Relative Vapor Density  1.7 [Test Method: Estimated] [Ref Std: AIR=1]  Density  0.82 g/ml  Relative density  0.82 [Ref Std: WATER=1]  Water solubility  10 %  Solubility- non-water  No data available.  Partition coefficient: n-octanol/water  Autoignition temperature  Viscosity/Kinematic Viscosity  Velatile organic compounds (VOC)  Percent volatile  Percent volatile  VOC less H2O & exempt solvents  Not applicable.  No datplication: Estimated]  No @ 20 °C ] [Test Method: Estimated] [Ref Std: AIR=1]  No @ 20 °C ] [Test Method: Estimated] [Ref Std: AIR=1]  No @ 20 °C ] [Test Method: Estimated] [Ref Std: AIR=1]  No @ 20 °C ] [Test Method: Calculated SCAQMD rule 443.1]  No data available.  V=781 g/l [Test Method: calculated SCAQMD rule 443.1]  [Details: Calculated]  VOC less H2O & exempt solvents		<u> </u>		
Flammable Limits(LEL)  Flammable Limits(UEL)  Vapour pressure  11,092.4 Pa [@, 20 °C] [Test Method: Estimated]  Vapor Density and/or Relative Vapor Density  1.7 [Test Method: Estimated] [Ref Std: AIR=1]  Density  0.82 g/ml  Relative density  0.82 [Ref Std: WATER=1]  Water solubility  10 %  Solubility- non-water  No data available.  Partition coefficient: n-octanol/water  Autoignition temperature  Viscosity/Kinematic Viscosity  Velatile organic compounds (VOC)  Percent volatile  Percent volatile  Viscosity & exempt solvents    1 % [Test Method: Estimated] [Ref Std: AIR=1]     1.7 [Test Method: Estimated] [Ref Std: AIR=1]     1.8		1.0		
Vapor pressure  11,092.4 Pa [@ 20 °C ] [Test Method: Tested per ASTM protocol] Vapor Density and/or Relative Vapor Density 1.7 [Test Method: Estimated] [Ref Std: AIR=1] Density 0.82 g/ml  0.82 [Ref Std: WATER=1] Water solubility 10 % Solubility- non-water No data available. Partition coefficient: n-octanol/water Autoignition temperature 430 °C Decomposition temperature No data available. Viscosity/Kinematic Viscosity <= 25 mPa-s Volatile organic compounds (VOC)    Value of the pressure of	Flammable Limits(LEL)	• • • • • • • • • • • • • • • • • • • •		
Vapor Density and/or Relative Vapor Density  1.7 [Test Method:Estimated] [Ref Std:AIR=1]  0.82 g/ml  Relative density 0.82 [Ref Std:WATER=1]  Water solubility 10 %  Solubility- non-water No data available.  Partition coefficient: n-octanol/water Autoignition temperature 430 °C  Decomposition temperature No data available.  Viscosity/Kinematic Viscosity  <= 25 mPa-s  Volatile organic compounds (VOC)  Percent volatile  ### Solubility	Flammable Limits(UEL)	<u> </u>		
Density  Relative density  0.82 [Ref Std:WATER=1]  Water solubility  10 %  Solubility- non-water  No data available.  Partition coefficient: n-octanol/water  Autoignition temperature  Decomposition temperature  No data available.  No data available.  Viscosity/Kinematic Viscosity  Volatile organic compounds (VOC)  Percent volatile  ### Solubility	Vapour pressure	11,092.4 Pa [@ 20 °C ] [Test Method: Tested per ASTM protocol]		
Relative density  0.82 [Ref Std:WATER=1]  Water solubility  10 %  Solubility- non-water  No data available.  No data available.  No data available.  Autoignition temperature  430 °C  Decomposition temperature  No data available.  No data available.  Viscosity/Kinematic Viscosity  <= 25 mPa-s  Volatile organic compounds (VOC)    C=781 g/l [Test Method:calculated SCAQMD rule 443.1]     Details: Calculated	Vapor Density and/or Relative Vapor Density	[		
Water solubility  10 %  No data available.  No data available.  No data available.  Autoignition temperature  430 °C  Decomposition temperature  No data available.  No data available.  Viscosity/Kinematic Viscosity  <= 25 mPa-s  Volatile organic compounds (VOC)    Composition temperature   No data available.	Density			
No data available.				
Partition coefficient: n-octanol/water  Autoignition temperature  Decomposition temperature  No data available.  No data available.  Viscosity/Kinematic Viscosity  <= 25 mPa-s  Volatile organic compounds (VOC)  (=781 g/l [Test Method:calculated SCAQMD rule 443.1]  [Details: Calculated]  Percent volatile  ± 95 %  VOC less H2O & exempt solvents  [Details: Calculated]  [Details: Calculated]				
Autoignition temperature  Decomposition temperature  No data available.  Viscosity/Kinematic Viscosity  <= 25 mPa-s  Volatile organic compounds (VOC)  =781 g/l [Test Method:calculated SCAQMD rule 443.1]  [Details:Calculated]  Percent volatile  ± 95 %  VOC less H2O & exempt solvents  [Details:Calculated]    Vocalculated   (Test Method:calculated SCAQMD rule 443.1)    Details:Calculated   (Details:Calculated SCAQMD rule 443.1)    Details:Calculated   (Details:Calculated SCAQMD rule 443.1)		No data available.		
No data available.				
Viscosity/Kinematic Viscosity  <= 25 mPa-s  Volatile organic compounds (VOC)  <= 781 g/l [Test Method:calculated SCAQMD rule 443.1]  [Details: Calculated]  ### Percent volatile  ### VOC less H2O & exempt solvents  [Details: Calculated]    Calculated				
Volatile organic compounds (VOC)  <=781 g/l [Test Method:calculated SCAQMD rule 443.1]  [Details:Calculated]  ± 95 %  VOC less H2O & exempt solvents  [Details:Calculated]  <=781 g/l [Test Method:calculated SCAQMD rule 443.1]  [Details:Calculated]		No data available.		
[Details:Calculated]   Percent volatile		<= 25 mPa-s		
Percent volatile ± 95 %  VOC less H2O & exempt solvents = 781 g/l [Test Method:calculated SCAQMD rule 443.1]  [Details: Calculated]	Volatile organic compounds (VOC)			
VOC less H2O & exempt solvents <=781 g/l [Test Method:calculated SCAQMD rule 443.1]  [Details: Calculated]				
[Details:Calculated]				
	VOC less H2O & exempt solvents			
Molecular weight Not applicable.				
	Molecular weight	Not applicable.		

# 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 acids.

Strong oxidising agents.

#### 10.6 Hazardous decomposition products

#### **Substance**

Condition

None known.

Refer to Section 5.2 for hazardous decomposition products during combustion.

# **SECTION 11: Toxicological information**

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

#### 11.1 Information on Toxicological effects

#### Signs and Symptoms of Exposure

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

#### Inhalation

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

#### Skin contact

May be harmful in contact with skin.

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. May cause additional health effects (see below).

#### 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:

Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. 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:

Auditory effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears. Neurological effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and changes in blood pressure and heart rate.

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#### Reproductive/Developmental Toxicity:

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

#### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

#### **Additional information:**

This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified by the International Agency for Research on Cancer as carcinogenic to humans. There are also data associating human consumption of alcoholic beverages with developmental toxicity and liver toxicity. Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer, developmental toxicity, or liver toxicity.

#### **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 >2,000 - =5,000 mg/kg
Overall product	Inhalation- Vapor(4 hr)		No data available; calculated ATE >20 - =50 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Cyclohexane	Dermal	Rat	LD50 > 2,000 mg/kg
Cyclohexane	Inhalation- Vapor (4 hours)	Rat	LC50 > 32.9 mg/l
Cyclohexane	Ingestion	Rat	LD50 6,200 mg/kg
Xylene	Dermal	Rabbit	LD50 > 4,200 mg/kg
Xylene	Inhalation- Vapor (4 hours)	Rat	LC50 29 mg/l
Xylene	Ingestion	Rat	LD50 3,523 mg/kg
Ethanol	Dermal	Rabbit	LD50 > 15,800 mg/kg
Ethanol	Inhalation- Vapor (4 hours)	Rat	LC50 124.7 mg/l
Ethanol	Ingestion	Rat	LD50 17,800 mg/kg
Ethylbenzene	Dermal	Rabbit	LD50 15,433 mg/kg
Ethylbenzene	Inhalation- Vapor (4 hours)	Rat	LC50 17.4 mg/l
Ethylbenzene	Ingestion	Rat	LD50 4,769 mg/kg
Ethyl acetate	Dermal	Rabbit	LD50 > 18,000 mg/kg
Ethyl acetate	Inhalation- Vapor (4 hours)	Rat	LC50 70.5 mg/l
Ethyl acetate	Ingestion	Rat	LD50 5,620 mg/kg
Chlorinated Rubber	Dermal	Guinea pig	LD50 > 1,000 mg/kg
Chlorinated Rubber	Ingestion	Rat	LD50 > 3,200 mg/kg
Methanol	Dermal		LD50 estimated to be 1,000 - 2,000 mg/kg
Methanol	Inhalation- Vapor		LC50 estimated to be 10 - 20 mg/l
Methanol	Ingestion		LD50 estimated to be 50 - 300 mg/kg
Beta-(3,4-epoxycyclohexyl) ethytrimethoxy silane	Dermal	Rabbit	LD50 6,700 mg/kg
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	Dermal	Rat	LD50 > 1,600 mg/kg
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	Ingestion	Rat	LD50 > 1,000 mg/kg
Beta-(3,4-epoxycyclohexyl) ethytrimethoxy silane	Inhalation-	Rat	LC50 > 7 mg/l

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	Vapor (4 hours)		
Beta-(3,4-epoxycyclohexyl) ethytrimethoxy silane	Ingestion	Rat	LD50 13,100 mg/kg
Toluene	Dermal	Rat	LD50 12,000 mg/kg
Toluene	Inhalation-	Rat	LC50 30 mg/l
	Vapor (4		
	hours)		
Toluene	Ingestion	Rat	LD50 5,550 mg/kg
Chlorobenzene	Dermal	Rabbit	LD50 2,212 mg/kg
Chlorobenzene	Inhalation-	Rat	LC50 16.7 mg/l
	Vapor (4		
	hours)		
Chlorobenzene	Ingestion	Rat	LD50 1,419 mg/kg
Maleic anhydride	Dermal	Rabbit	LD50 2,620 mg/kg
Maleic anhydride	Ingestion	Rat	LD50 1,030 mg/kg

ATE = acute toxicity estimate

# Skin Corrosion/Irritation

Name	Species	Value
Cyclohexane	Rabbit	Mild irritant
Xylene	Rabbit	Mild irritant
Ethanol	Rabbit	No significant irritation
Ethylbenzene	Rabbit	Mild irritant
Ethyl acetate	Rabbit	Minimal irritation
Chlorinated Rubber	Guinea	No significant irritation
	pig	
Methanol	Rabbit	Mild irritant
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	Rabbit	Mild irritant
Beta-(3,4-epoxycyclohexyl) ethytrimethoxy silane	Rabbit	Minimal irritation
Toluene	Rabbit	Irritant
Chlorobenzene	Rabbit	Irritant
Maleic anhydride	Human	Corrosive
	and	
	animal	

**Serious Eye Damage/Irritation** 

Name	Species	Value
Cyclohexane	Rabbit	Mild irritant
Xylene	Rabbit	Mild irritant
Ethanol	Rabbit	Severe irritant
Ethylbenzene	Rabbit	Moderate irritant
Ethyl acetate	Rabbit	Mild irritant
Chlorinated Rubber	Professio	Mild irritant
	nal	
	judgemen	
	t	
Methanol	Rabbit	Moderate irritant
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	Rabbit	Moderate irritant
Beta-(3,4-epoxycyclohexyl) ethytrimethoxy silane	Rabbit	No significant irritation
Toluene	Rabbit	Moderate irritant
Chlorobenzene	Rabbit	Mild irritant
Maleic anhydride	Rabbit	Corrosive

# **Sensitisation:**

# **Skin Sensitisation**

Skiii Schsitisation		
Name	Species	Value
Ethanol	Human	Not classified
Ethylbenzene	Human	Not classified
Ethyl acetate	Guinea	Not classified

\_\_\_\_

	pig	
Methanol	Guinea	Not classified
	pig	
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	Human	Sensitising
	and	
	animal	
Beta-(3,4-epoxycyclohexyl) ethytrimethoxy silane	similar	Sensitising
	compoun	
	ds	
Toluene	Guinea	Not classified
	pig	
Chlorobenzene	Multiple	Not classified
	animal	
	species	
Maleic anhydride	Multiple	Sensitising
	animal	
	species	

**Respiratory Sensitisation** 

Name	Species	Value
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	Human	Not classified
Maleic anhydride	Human	Sensitising

**Germ Cell Mutagenicity** 

Name	Route	Value
Cyclohexane	In Vitro	Not mutagenic
Cyclohexane	In vivo	Some positive data exist, but the data are not sufficient for classification
Xylene	In Vitro	Not mutagenic
Xylene	In vivo	Not mutagenic
Ethanol	In Vitro	Some positive data exist, but the data are not sufficient for classification
Ethanol	In vivo	Some positive data exist, but the data are not sufficient for classification
Ethylbenzene	In vivo	Not mutagenic
Ethylbenzene	In Vitro	Some positive data exist, but the data are not sufficient for classification
Ethyl acetate	In Vitro	Not mutagenic
Ethyl acetate	In vivo	Not mutagenic
Methanol	In Vitro	Some positive data exist, but the data are not sufficient for classification
Methanol	In vivo	Some positive data exist, but the data are not sufficient for classification
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	In vivo	Not mutagenic
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	In Vitro	Some positive data exist, but the data are not sufficient for classification
Beta-(3,4-epoxycyclohexyl) ethytrimethoxy silane	In Vitro	Some positive data exist, but the data are not sufficient for classification
Toluene	In Vitro	Not mutagenic
Toluene	In vivo	Not mutagenic
Chlorobenzene	In Vitro	Not mutagenic
Maleic anhydride	In vivo	Not mutagenic
Maleic anhydride	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Xylene	Dermal	Rat	Not carcinogenic
Xylene	Ingestion	Multiple animal species	Not carcinogenic
Xylene	Inhalation	Human	Some positive data exist, but the data are not

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			sufficient for classification
Ethanol	Ingestion	Multiple animal	Some positive data exist, but the data are not sufficient for classification
Ethylbenzene	Inhalation	species Multiple animal	Carcinogenic.
		species	
Methanol	Inhalation	Multiple animal species	Not carcinogenic
4,4'-Isopropylidenediphenol-Epichlorohydrin Polymer	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
Beta-(3,4-epoxycyclohexyl) ethytrimethoxy silane	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
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
Chlorobenzene	Ingestion	Multiple animal species	Not carcinogenic

# Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Cyclohexane	Inhalation	Not classified for female reproduction	Rat	NOAEL 24 mg/l	2 generation
Cyclohexane	Inhalation	Not classified for male reproduction	Rat	NOAEL 24 mg/l	2 generation
Cyclohexane	Inhalation	Not classified for development	Rat	NOAEL 6.9 mg/l	2 generation
Xylene	Inhalation	Not classified for female reproduction	Human	NOAEL Not available	occupational exposure
Xylene	Ingestion	Not classified for development	Mouse	NOAEL Not available	during organogenesis
Xylene	Inhalation	Not classified for development	Multiple animal species	NOAEL Not available	during gestation
Ethanol	Inhalation	Not classified for development	Rat	NOAEL 38 mg/l	during gestation
Ethanol	Ingestion	Not classified for development	Rat	NOAEL 5,200 mg/kg/day	premating & during gestation
Ethylbenzene	Inhalation	Not classified for development	Rat	NOAEL 4.3 mg/l	premating & during gestation
Methanol	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,600 mg/kg/day	21 days
Methanol	Ingestion	Toxic to development	Mouse	LOAEL 4,000 mg/kg/day	during organogenesis
Methanol	Inhalation	Toxic to development	Mouse	NOAEL 1.3 mg/l	during organogenesis
4,4'-Isopropylidenediphenol- Epichlorohydrin Polymer	Ingestion	Not classified for female reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
4,4'-Isopropylidenediphenol- Epichlorohydrin Polymer	Ingestion	Not classified for male reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
4,4'-Isopropylidenediphenol- Epichlorohydrin Polymer	Dermal	Not classified for development	Rabbit	NOAEL 300 mg/kg/day	during organogenesis
4,4'-Isopropylidenediphenol- Epichlorohydrin Polymer	Ingestion	Not classified for development	Rat	NOAEL 750 mg/kg/day	2 generation

Beta-(3,4-epoxycyclohexyl) ethytrimethoxy	Ingestion	Not classified for development	Rabbit	NOAEL 0.27	during
silane				mg/kg/day	organogenesis
Toluene	Inhalation	Not classified for female reproduction	Human	NOAEL Not	occupational
				available	exposure
Toluene	Inhalation	Not classified for male reproduction	Rat	NOAEL 2.3	1 generation
		_		mg/l	
Toluene	Ingestion	Toxic to development	Rat	LOAEL 520	during
	"	*		mg/kg/day	gestation
Toluene	Inhalation	Toxic to development	Human	NOAEL Not	poisoning
		1		available	and/or abuse
Chlorobenzene	Inhalation	Not classified for female reproduction	Rat	NOAEL 2.07	2 generation
		1		mg/l	
Chlorobenzene	Ingestion	Not classified for development	Rat	NOAEL 300	during
	"	•		mg/kg/day	organogenesis
Chlorobenzene	Inhalation	Not classified for development	Rat	NOAEL 2.07	2 generation
		•		mg/l	"
Chlorobenzene	Inhalation	Not classified for male reproduction	Rat	NOAEL 2.07	2 generation
		1		mg/l	
Maleic anhydride	Ingestion	Not classified for female reproduction	Rat	NOAEL 55	2 generation
	"	1		mg/kg/day	
Maleic anhydride	Ingestion	Not classified for male reproduction	Rat	NOAEL 55	2 generation
	"	1		mg/kg/day	
Maleic anhydride	Ingestion	Not classified for development	Rat	NOAEL 140	during
], ,	]			mg/kg/day	organogenesis

# Lactation

Name	Route	Species	Value
Xylene	Ingestion	Mouse	Not classified for effects on or via lactation

# Target Organ(s)

**Specific Target Organ Toxicity - single exposure** 

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
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	Professio nal judgeme nt	NOAEL Not available	
Xylene	Inhalation	auditory system	Causes damage to organs	Rat	LOAEL 6.3 mg/l	8 hours
Xylene	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Xylene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
Xylene	Inhalation	eyes	Not classified	Rat	NOAEL 3.5 mg/l	not available
Xylene	Inhalation	liver	Not classified	Multiple animal species	NOAEL Not available	
Xylene	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Multiple animal species	NOAEL Not available	
Xylene	Ingestion	eyes	Not classified	Rat	NOAEL 250 mg/kg	not applicable
Ethanol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	LOAEL 9.4 mg/l	not available

Ethanol	Inhalation	central nervous	Not classified	Human	NOAEL not	
		system depression		and	available	
		1		animal		
Ethanol	Ingestion	central nervous	Not classified	Multiple	NOAEL not	
	844444	system depression		animal	available	
		System depression		species	u · unuoio	
Ethanol	Ingestion	kidney and/or	Not classified	Dog	NOAEL	
Ethanoi	ingestion	bladder	Not classified	Dog	3,000 mg/kg	
F4111	Inhalation	central nervous	M	Human	NOAEL Not	<u> </u>
Ethylbenzene	innaiation		May cause drowsiness or	Human		
		system depression	dizziness	1	available	1
Ethylbenzene	Inhalation	respiratory irritation	Some positive data exist, but the	Human	NOAEL Not	
			data are not sufficient for	and	available	
			classification	animal		
Ethyl acetate	Inhalation	central nervous	May cause drowsiness or	Human	NOAEL Not	
		system depression	dizziness		available	
Ethyl acetate	Inhalation	respiratory irritation	Some positive data exist, but the	Human	NOAEL Not	
,			data are not sufficient for		available	
			classification			
Ethyl acetate	Ingestion	central nervous	May cause drowsiness or	Human	NOAEL Not	
Emyracetate	mgestion	system depression	dizziness	1 Tunnun	available	
Methanol	Inhalation	blindness	Causes damage to organs	Human	NOAEL Not	occupational
Methanoi	Illiaiation	Dilliuliess	Causes damage to organs	Truman	available	exposure
N. d. 1	7.1.1.	. 1	1 .	1	NOAEL Not	
Methanol	Inhalation	central nervous	May cause drowsiness or	Human		not available
		system depression	dizziness		available	
Methanol	Inhalation	respiratory irritation	Some positive data exist, but the	Rat	NOAEL Not	6 hours
			data are not sufficient for		available	
			classification			
Methanol	Ingestion	blindness	Causes damage to organs	Human	NOAEL Not	poisoning
					available	and/or abuse
Methanol	Ingestion	central nervous	May cause drowsiness or	Human	NOAEL Not	poisoning
	3.2.	system depression	dizziness		available	and/or abuse
Toluene	Inhalation	central nervous	May cause drowsiness or	Human	NOAEL Not	
Totache	minutation	system depression	dizziness	114111411	available	
Toluene	Inhalation	respiratory irritation	Some positive data exist, but the	Human	NOAEL Not	
Totalene	Illiaiation	respiratory irritation	data are not sufficient for	Truman	available	
			classification		available	
T. 1	7.1.1.	. ,		1,4	NOAFI	2.1
Toluene	Inhalation	immune system	Not classified	Mouse	NOAEL	3 hours
				1	0.004 mg/l	ļ
Toluene	Ingestion	central nervous	May cause drowsiness or	Human	NOAEL Not	poisoning
		system depression	dizziness		available	and/or abuse
Chlorobenzene	Inhalation	central nervous	May cause drowsiness or	Human	NOAEL Not	
		system depression	dizziness		available	
Chlorobenzene	Inhalation	respiratory irritation	Some positive data exist, but the	Human	NOAEL Not	occupational
			data are not sufficient for		available	exposure
			classification			F
Maleic anhydride	Inhalation	respiratory irritation	May cause respiratory irritation	Human	NOAEL Not	1
maiore amyuruc	iiiiaiatiOii	103piratory firmation	inay cause respiratory irritation	110111011	available	
					available	1

**Specific Target Organ Toxicity - repeated exposure** 

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
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
Xylene	Inhalation	nervous system	Causes damage to organs through prolonged or repeated exposure	Rat	LOAEL 0.4 mg/l	4 weeks
Xylene	Inhalation	auditory system	May cause damage to organs though prolonged or repeated exposure	Rat	LOAEL 7.8 mg/l	5 days

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Xylene	Inhalation	liver	Not classified	Multiple animal species	NOAEL Not available	
Xylene	Inhalation	heart   endocrine system   gastrointestinal tract   hematopoietic system   muscles   kidney and/or bladder   respiratory system	Not classified	Multiple animal species	NOAEL 3.5 mg/l	13 weeks
Xylene	Ingestion	auditory system	Not classified	Rat	NOAEL 900 mg/kg/day	2 weeks
Xylene	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Xylene	Ingestion	liver	Not classified	Multiple animal species	NOAEL Not available	
Xylene	Ingestion	heart   skin   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   immune system   nervous system   respiratory system	Not classified	Mouse	NOAEL 1,000 mg/kg/day	103 weeks
Ethanol	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Rabbit	LOAEL 124 mg/l	365 days
Ethanol	Inhalation	hematopoietic system   immune system	Not classified	Rat	NOAEL 25 mg/l	14 days
Ethanol	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 8,000 mg/kg/day	4 months
Ethanol	Ingestion	kidney and/or bladder	Not classified	Dog	NOAEL 3,000 mg/kg/day	7 days
Ethylbenzene	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1.1 mg/l	2 years
Ethylbenzene	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 1.1 mg/l	103 weeks
Ethylbenzene	Inhalation	hematopoietic system	Not classified	Rat	NOAEL 3.4 mg/l	28 days
Ethylbenzene	Inhalation	auditory system	Not classified	Rat	NOAEL 2.4 mg/l	5 days
Ethylbenzene	Inhalation	endocrine system	Not classified	Mouse	NOAEL 3.3 mg/l	103 weeks
Ethylbenzene	Inhalation	gastrointestinal tract	Not classified	Rat	NOAEL 3.3 mg/l	2 years
Ethylbenzene	Inhalation	bone, teeth, nails, and/or hair   muscles	Not classified	Multiple animal species	NOAEL 4.2 mg/l	90 days
Ethylbenzene	Inhalation	heart   immune system   respiratory system	Not classified	Multiple animal species	NOAEL 3.3 mg/l	2 years
Ethylbenzene	Ingestion	liver   kidney and/or bladder	Not classified	Rat	NOAEL 680 mg/kg/day	6 months
Ethyl acetate	Inhalation	endocrine system   liver   nervous system	Not classified	Rat	NOAEL 0.043 mg/l	90 days
Ethyl acetate	Inhalation	hematopoietic system	Not classified	Rabbit	LOAEL 16 mg/l	40 days
Ethyl acetate	Ingestion	hematopoietic	Not classified	Rat	NOAEL	90 days

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	1	system   liver			3,600	1
		kidney and/or bladder			mg/kg/day	
Methanol	Inhalation	liver	Not classified	Rat	NOAEL 6.55 mg/l	4 weeks
Methanol	Inhalation	respiratory system	Not classified	Rat	NOAEL 13.1 mg/l	6 weeks
Methanol	Ingestion	liver   nervous system	Not classified	Rat	NOAEL 2,500 mg/kg/day	90 days
4,4'- Isopropylidenediphenol- Epichlorohydrin Polymer	Dermal	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	2 years
4,4'- Isopropylidenediphenol- Epichlorohydrin Polymer	Dermal	nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
4,4'- Isopropylidenediphenol- Epichlorohydrin Polymer	Ingestion	auditory system   heart   endocrine system   hematopoietic system   liver   eyes   kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Toluene	Inhalation	auditory system   nervous system   eyes   olfactory system	Causes damage to organs through 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
Chlorobenzene	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.69 mg/l	2 generation
Chlorobenzene	Inhalation	liver	Not classified	Rat	NOAEL 2.1 mg/l	2 generation
Chlorobenzene	Inhalation	blood	Not classified	Rat	NOAEL 0.35 mg/l	24 weeks
Chlorobenzene	Ingestion	bone marrow	Some positive data exist, but the data are not sufficient for	Rat	NOAEL 250 mg/kg/day	13 weeks

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#### 3MTM Adhesion Promoter, PN 06396

			classification			
Chlorobenzene	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 188 mg/kg/day	192 days
Chlorobenzene	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 125 mg/kg/day	13 weeks
Chlorobenzene	Ingestion	immune system	Not classified	Rat	NOAEL 750 mg/kg/day	13 weeks
Maleic anhydride	Inhalation	respiratory system	Causes damage to organs through prolonged or repeated exposure	Rat	LOAEL 0.0011 mg/l	6 months
Maleic anhydride	Inhalation	endocrine system   hematopoietic system   nervous system   kidney and/or bladder   heart   liver   eyes	Not classified	Rat	NOAEL 0.0098 mg/l	6 months
Maleic anhydride	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 55 mg/kg/day	80 days
Maleic anhydride	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 250 mg/kg/day	183 days
Maleic anhydride	Ingestion	heart   nervous system	Not classified	Rat	NOAEL 600 mg/kg/day	183 days
Maleic anhydride	Ingestion	gastrointestinal tract	Not classified	Rat	NOAEL 150 mg/kg/day	80 days
Maleic anhydride	Ingestion	hematopoietic system	Not classified	Dog	NOAEL 60 mg/kg/day	90 days
Maleic anhydride	Ingestion	skin   endocrine system   immune system   eyes   respiratory system	Not classified	Rat	NOAEL 150 mg/kg/day	80 days

#### **Aspiration Hazard**

Name	Value
Cyclohexane	Aspiration hazard
Xylene	Aspiration hazard
Ethylbenzene	Aspiration hazard
Toluene	Aspiration hazard

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

# **SECTION 12: Ecological information**

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

#### 12.1. Toxicity

Ecotoxic to the aquatic environment.

Acute Aquatic Toxicity: Category 1 Chronic Aquatic Toxicity: Category 3

#### **Ecotoxic to terrestrial vertebrates**

Hazardous to terrestial vertebrates

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Cyclohexane	110-82-7	Bacteria	Experimental	24 hours	IC50	97 mg/l
Cyclohexane	110-82-7	Fathead	Experimental	96 hours	LC50	4.53 mg/l
		minnow	1			
Cyclohexane	110-82-7	Water flea	Experimental	48 hours	EC50	0.9 mg/l
Xylene	1330-20-7	Activated	Estimated	3 hours	NOEC	157 mg/l
		sludge				
Xylene	1330-20-7	Green algae	Estimated	72 hours	EC50	4.36 mg/l
Xylene	1330-20-7	Rainbow trout	Estimated	96 hours	LC50	2.6 mg/l
Xylene	1330-20-7	Water flea	Estimated	48 hours	EC50	3.82 mg/l
Xylene	1330-20-7	Green algae	Estimated	72 hours	NOEC	0.44 mg/l
Xylene	1330-20-7	Rainbow trout	Estimated	56 days	NOEC	>1.3 mg/l
Xylene	1330-20-7	Water flea	Estimated	7 days	NOEC	0.96 mg/l
Ethanol	64-17-5	Fathead	Experimental	96 hours	LC50	14,200 mg/l
F.1 1	64 17 5	minnow	F : 1	061	1.050	11.000 //
Ethanol	64-17-5	Fish	Experimental	96 hours	LC50	11,000 mg/l
Ethanol	64-17-5	Green algae	Experimental	72 hours	EC50	275 mg/l
Ethanol Ethanol	64-17-5	Water flea Green algae	Experimental	48 hours 72 hours	LC50	5,012 mg/l
Ethanol	64-17-5 64-17-5	Water flea	Experimental Experimental	10 days	ErC10 NOEC	11.5 mg/l
	100-41-4		Estimated	73 hours	EC50	9.6 mg/l 4.36 mg/l
Ethylbenzene Ethylbenzene	100-41-4	Green algae Rainbow trout	Estimated	96 hours	LC50	2.6 mg/l
Ethylbenzene	100-41-4	Water flea	Estimated	48 hours	EC50	3.82 mg/l
Ethylbenzene	100-41-4	Activated	Experimental	49 hours	EC50	130 mg/l
Ethylbenzene	100-41-4	sludge	Experimental	49 1100118	ECSO	130 mg/1
Ethylbenzene	100-41-4	Green algae	Estimated	73 hours	NOEC	0.44 mg/l
Ethylbenzene	100-41-4	Rainbow trout	Estimated	56 days	NOEC	>1.3 mg/l
Ethylbenzene	100-41-4	Water flea	Estimated	7 days	NOEC	0.96 mg/l
Acrylate	Trade Secret	N/A	Data not	N/A	N/A	N/A
Polymer			available or	"	- "	
			insufficient for			
			classification			
Chlorinated	68609-36-9	N/A	Data not	N/A	N/A	N/A
Rubber			available or			
			insufficient for			
<b>7.1</b> 1	111 50 6	<b>-</b>	classification	101	77.01.0	0.000 #
Ethyl acetate	141-78-6	Bacteria	Experimental	18 hours	EC10	2,900 mg/l
Ethyl acetate	141-78-6	Fish	Experimental	96 hours	LC50	212.5 mg/l
Ethyl acetate	141-78-6	Invertebrate	Experimental	48 hours	EC50	165 mg/l
Ethyl acetate	141-78-6	Green algae	Experimental	72 hours	NOEC	>100 mg/l
Ethyl acetate 4,4'-	141-78-6 25068-38-6	Water flea Activated	Experimental Estimated	21 days 3 hours	NOEC IC50	2.4 mg/l >100 mg/l
Isopropylidene	23008-38-0	sludge	Estimated	3 nours	1030	-100 mg/1
diphenol-		siuage				
Epichlorohydri						
n Polymer						
4,4'-	25068-38-6	Green algae	Estimated	72 hours	EC50	>11 mg/l
Isopropylidene						
diphenol-						
Epichlorohydri						
n Polymer				1		
4,4'-	25068-38-6	Rainbow trout	Estimated	96 hours	LC50	2 mg/l
Isopropylidene						
diphenol-			<u> </u>	I		

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Epichlorohydri						
n Polymer						
4,4'-	25068-38-6	Water flea	Estimated	48 hours	EC50	1.8 mg/l
Isopropylidene						
diphenol-						
Epichlorohydri						
n Polymer						
4,4'-	25068-38-6	Green algae	Estimated	72 hours	NOEC	4.2 mg/l
Isopropylidene						
diphenol-						
Epichlorohydri						
n Polymer						
4,4'-	25068-38-6	Water flea	Estimated	21 days	NOEC	0.3 mg/l
Isopropylidene						
diphenol-						
Epichlorohydri						
n Polymer						
Beta-(3,4-	3388-04-3	Activated	Estimated	30 minutes	IC50	>100 mg/l
epoxycyclohex		sludge				
yl)						
ethytrimethoxy						
silane						
Beta-(3,4-	3388-04-3	Green algae	Estimated	72 hours	EC50	280 mg/l
epoxycyclohex						
yl)						
ethytrimethoxy						
silane						
Beta-(3,4-	3388-04-3	Rainbow trout	Estimated	96 hours	LC50	180 mg/l
epoxycyclohex						
yl)						
ethytrimethoxy						
silane						
Beta-(3,4-	3388-04-3	Water flea	Estimated	48 hours	EC50	20 mg/l
epoxycyclohex						
yl)						
ethytrimethoxy						
silane						
Beta-(3,4-	3388-04-3	Green algae	Estimated	72 hours	NOEC	1 mg/l
epoxycyclohex						
yl)						
ethytrimethoxy						
silane						
Methanol	67-56-1	Algae or other	Experimental	96 hours	EC50	16.9 mg/l
		aquatic plants				
Methanol	67-56-1	Bay mussel	Experimental	96 hours	LC50	15,900 mg/l
Methanol	67-56-1	Bluegill	Experimental	96 hours	LC50	15,400 mg/l
Methanol	67-56-1	Green algae	Experimental	96 hours	ErC50	22,000 mg/l
Methanol	67-56-1	Sediment	Experimental	96 hours	LC50	54,890 mg/l
		organism	1			
Methanol	67-56-1	Water flea	Experimental	48 hours	LC50	3,289 mg/l
Methanol	67-56-1	Green algae	Experimental	96 hours	NOEC	9.96 mg/l
Methanol	67-56-1	Medaka	Experimental	8.33 days	NOEC	158,000 mg/l
Methanol	67-56-1	Water flea	Experimental	21 days	NOEC	122 mg/l
Methanol	67-56-1	Activated	Experimental	3 hours	IC50	>1,000 mg/l
1 TOURANDI	07-30-1	sludge	Laperinicitai	J Hours	1030	1,000 1115/1
	<u> </u>	Bruuge	<u>I</u>	<u> </u>	1	1

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Methanol	67-56-1	Barley	Experimental	14 days	EC50	15,492 mg/kg (Dry Weight)
Methanol	67-56-1	Redworm	Experimental	63 days	EC50	26,646 mg/kg (Dry Weight)
Methanol	67-56-1	Springtail	Experimental	28 days	EC50	5,683 mg/kg (Dry Weight)
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)
Chlorobenzene	108-90-7	Bluegill	Experimental	96 hours	LC50	4.5 mg/l
Chlorobenzene	108-90-7	Green algae	Experimental	72 hours	ErC50	11.4 mg/l
Chlorobenzene	108-90-7	Midge	Experimental	96 hours	NOEC	0.7 mg/l
Chlorobenzene	108-90-7	Water flea	Experimental	48 hours	EC50	0.59 mg/l
Chlorobenzene	108-90-7	Green algae	Experimental	72 hours	ErC10	5.8 mg/l
Chlorobenzene	108-90-7	Medaka	Experimental	43 days	NOEC	0.247 mg/l
Chlorobenzene	108-90-7	Water flea	Experimental	8 days	NOEC	0.084 mg/l
Chlorobenzene	108-90-7	Bacteria	Experimental	24 hours	IC50	0.71 mg/l
Chlorobenzene	108-90-7	Lettuce	Experimental	14 days	EC50	>1,000 mg/kg (Dry Weight)
Maleic anhydride	108-31-6	Bacteria	Experimental	18 hours	EC10	44.6 mg/l
Maleic anhydride	108-31-6	Rainbow trout	Experimental	96 hours	LC50	75 mg/l
Maleic anhydride	108-31-6	Green algae	Hydrolysis Product	72 hours	ErC50	74.4 mg/l
Maleic anhydride	108-31-6	Water flea	Hydrolysis Product	48 hours	EC50	93.8 mg/l
Maleic anhydride	108-31-6	Water flea	Experimental	21 days	NOEC	10 mg/l
Maleic anhydride	108-31-6	Green algae	Hydrolysis Product	72 hours	ErC10	11.8 mg/l

# 12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Cyclohexane	110-82-7	Experimental	28 days	BOD	77 %BOD/ThO	OECD 301F -
		Biodegradation			D	Manometric
						respirometry
Cyclohexane	110-82-7	Experimental		Photolytic half-	4.1 days (t 1/2)	

D 00 0

		Photolysis		life (in air)		
Xylene	1330-20-7	Experimental Biodegradation	28 days	BOD	90- 98 %BOD/ThO D	OECD 301F - Manometric respirometry
Xylene	1330-20-7	Experimental Photolysis		Photolytic half- life (in air)	1.4 days (t 1/2)	
Ethanol	64-17-5	Experimental Biodegradation	14 days	BOD	89 %BOD/ThO D	OECD 301C - MITI test (I)
Ethylbenzene	100-41-4	Experimental Biodegradation	28 days	BOD	90- 98 %BOD/ThO D	OECD 301F - Manometric respirometry
Acrylate Polymer	Trade Secret	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Chlorinated Rubber	68609-36-9	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Ethyl acetate	141-78-6	Experimental Biodegradation	14 days	BOD	94 %BOD/ThO D	OECD 301C - MITI test (I)
Ethyl acetate	141-78-6	Experimental Photolysis		Photolytic half- life (in air)	20.0 days (t 1/2)	(1)
4,4'- Isopropylidene diphenol- Epichlorohydri n Polymer	25068-38-6	Estimated Biodegradation	28 days	BOD	5 %BOD/COD	OECD 301F - Manometric respirometry
4,4'- Isopropylidene diphenol- Epichlorohydri n Polymer	25068-38-6	Estimated Hydrolysis		Hydrolytic half-life	117 hours (t 1/2)	
Beta-(3,4- epoxycyclohex yl) ethytrimethoxy silane	3388-04-3	Estimated Biodegradation	28 days	BOD	28 %BOD/ThO D	OECD 301D - Closed bottle test
Beta-(3,4- epoxycyclohex yl) ethytrimethoxy silane	3388-04-3	Estimated Hydrolysis		Hydrolytic half-life	6.5 hours (t 1/2)	
Methanol	67-56-1	Experimental Biodegradation	3 days	Percent degraded	91 % degraded	
Methanol	67-56-1	Experimental Biodegradation	14 days	BOD	92 %BOD/ThO D	OECD 301C - MITI test (I)
Methanol	67-56-1	Experimental Photolysis		Photolytic half- life (in air)	35 days (t 1/2)	
Methanol	67-56-1	Experimental Soil Metabolism Aerobic	5 days	CO2 evolution	53.4 %CO2 evolution/THC O2 evolution	
Toluene	108-88-3	Experimental Biodegradation	20 days	BOD	D	APHA Std Meth Water/Wastewater
Toluene	108-88-3	Experimental Photolysis		Photolytic half- life (in air)	5.2 days (t 1/2)	

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Chlorobenzene	108-90-7	Experimental	28 days	BOD	15 %BOD/ThO	OECD 301F -
		Biodegradation	-		D	Manometric
						respirometry
Chlorobenzene	108-90-7	Experimental		Photolytic half-	42 days (t 1/2)	
		Photolysis		life (in air)		
Chlorobenzene	108-90-7	Experimental		Half-life (t 1/2)	46.2 days (t	
		Biodegradation			1/2)	
Maleic	108-31-6	Hydrolysis	25 days	CO2 evolution	>90 %CO2	OECD 301B - Modified
anhydride		product	-		evolution/THC	sturm or CO2
		Biodegradation			O2 evolution	
Maleic	108-31-6	Experimental		Hydrolytic	0.37 minutes (t	
anhydride		Hydrolysis		half-life	1/2)	

# ${\bf 12.3: Bioaccumulative\ potential}$

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Cyclohexane	110-82-7	Experimental BCF - Fish	56 days	Bioaccumulatio n factor	129	OECD305- Bioconcentration
Cyclohexane	110-82-7	Experimental Bioconcentrati on		Log Kow	3.44	
Xylene	1330-20-7	Experimental BCF - Fish	56 days	Bioaccumulatio n factor	25.9	
Ethanol	64-17-5	Experimental Bioconcentrati on		Log Kow	-0.35	
Ethylbenzene	100-41-4	Experimental BCF - Fish	56 days	Bioaccumulatio n factor	25.9	
Acrylate Polymer	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Chlorinated Rubber	68609-36-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Ethyl acetate	141-78-6	Experimental Bioconcentrati on		Log Kow	0.68	
4,4'- Isopropylidene diphenol- Epichlorohydri n Polymer	25068-38-6	Estimated Bioconcentrati on		Log Kow	3.242	
Beta-(3,4- epoxycyclohex yl) ethytrimethoxy silane	3388-04-3	Estimated Bioconcentrati on		Bioaccumulatio n factor	2.3	
Methanol	67-56-1	Experimental BCF - Fish	3 days	Bioaccumulatio n factor	<4.5	
Methanol	67-56-1	Experimental Bioconcentrati on		Log Kow	-0.77	

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Toluene	108-88-3	Experimental	72 hours	Bioaccumulatio	90	
		BCF - Other		n factor		
Toluene	108-88-3	Experimental Bioconcentrati on		Log Kow	2.73	
Chlorobenzene	108-90-7	Experimental BCF - Fish	56 days	Bioaccumulatio n factor	39.6	OECD305- Bioconcentration
Chlorobenzene	108-90-7	Experimental Bioconcentrati on		Log Kow	2.84	
Maleic anhydride	108-31-6	Experimental Bioconcentrati on		Log Kow	-2.61	OECD 107 log Kow shke flsk mtd

#### 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

In accordance with the Hazardous Substances (Disposal) Notice 2017 and the relevant criteria of the HSNO Act 1996.

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

Packaging (that may or may not contain any residual substance) may be lawfully disposed of by householders or other consumers through public or commercial waste collection services.

## **SECTION 14: Transport Information**

New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport

**UN No.:** UN3175

Proper Shipping Name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., (Cyclohexane, Ethylbenzene)

Class/Division: 4.1 Sub Risk: Not applicable. Packing Group: II

**Special Instructions:** Not restricted, as per Special Provision 216.

Hazchem Code: 1Z

**IERG: 20** 

International Air Transport Association (IATA) - Air Transport

UN No.: UN3175

Proper Shipping Name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., (Cyclohexane, Ethylbenzene)

Class/Division: 4.1 Sub Risk: Not applicable. Packing Group: II

**Special Instructions:** Not subject to these regulations as per Special Provision A46

#### International Maritime Dangerous Goods Code (IMDG) - Marine Transport

**UN No.: UN3175** 

Proper Shipping Name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., (Cyclohexane, Ethylbenzene)

Class/Division: 4.1
Sub Risk: Not applicable.
Packing Group: II

Marine Pollutant: Not applicable.

Special Instructions: Not subject to the provisions of this code as per Special Provision 216

# **SECTION 15: Regulatory information**

HSNO Approval number HSR002669

Group standard name Surface Coatings and Colourants (Flammable, Carcinogenic) Group Standard 2020

HSNO Hazard classification Refer to Section 2: Hazard identification

#### NZ Inventory of Chemicals (NZIoC) Status

All applicable chemical ingredients in this material are in compliance with NZIoC listing requirements.

# Controls in accordance with The Health and Safety at Work Act 2015, Health and Safety at Work (Hazardous Substances) Regulations 2017 and the HSNO Act 1996, Hazardous Substances (Hazardous Property Controls) Notice 2017

Certified handler Not required

Location Compliance Certificate 100 L (closed containers greater than 5 L) 250 L (closed containers up to and

including 5 L) 50 L (open containers)

Hazardous atmosphere zone 100 L (closed containers) 25 L (decanting) 5 L (open occasionally) 1 L

(open containers in continuous use)

Fire extinguishers Two required for 250 L

Emergency response plan 100 L (for Hazardous to the aquatic environment Category 1 substances); or 1

000 L (for all other substances)

Secondary containment 100 L (for Hazardous to the aquatic environment Category 1 substances); or 1

000 L (for all other substances)

Tracking Not required

Warning signage 100 L (for Hazardous to the aquatic environment Category 1 substances); or

250 L (for all other substances)

# **SECTION 16: Other information**

#### **Revision information:**

Complete document review.

Document group:	34-4427-0	Version number:	3.00
<b>Issue Date:</b>	14/02/2024	Supersedes date:	17/11/2019

#### Key to abbreviations and acronyms

**GHS** refers to the Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition of 2017 **HSNO** means Hazardous Substances and New Organisms Act 1996

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