



## 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

Fast Cut Plus Extreme

#### Product Identification Numbers

AS-0106-2345-7	AT-0194-4247-7	AT-0194-4248-5	AT-0194-4249-3	AT-0194-4250-1
AT-0194-4251-9	AT-0194-4252-7	UU-0089-7239-8		

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

##### Recommended use

Automotive., Fast Cut Plus Extreme

For Industrial or Professional use only.

#### 1.3. Supplier's details

<b>Address:</b>	3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113
<b>Telephone:</b>	136 136
<b>E Mail:</b>	productinfo.au@mmm.com
<b>Website:</b>	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

Specific Target Organ Toxicity (repeated exposure): Category 2.

#### 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

## Fast Cut Plus Extreme

label.

### Signal word

WARNING!

### Symbols

Health Hazard |

### Pictograms



### Hazard statements

H373 May cause damage to organs through prolonged or repeated exposure:  
nervous system |

### Precautionary statements

#### Prevention:

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

#### Response:

P314 Get medical advice/attention if you feel unwell.

#### Disposal:

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

### 2.3. Other assigned/identified product hazards

Repeated exposure may cause skin dryness or cracking.

### 2.4. Other hazards which do not result in classification

Harmful to aquatic life with long lasting effects.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	CAS Nbr	% by Weight
Non-hazardous ingredient	Mixture	60 - 80
Aluminium oxide	1344-28-1	7 - 13
Distillates (petroleum), hydrotreated light	64742-47-8	7 - 13
White mineral oil (petroleum)	8042-47-5	7 - 13
Glycerol	56-81-5	1 - 10
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	5 - 10
Silicon dioxide	7631-86-9	1 - 10
Distillates (petroleum), hydrotreated middle	64742-46-7	1 - 5
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	1 - 3

## 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

Wash with soap and water. 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

See Section 11.1. Information on toxicological effects.

### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Use a fire fighting agent suitable for the surrounding fire.

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

None inherent in this product.

### Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Hydrocarbons.	During combustion.
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.

### 5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

**Hazchem Code:** •3Z

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. 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. 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

## Fast Cut Plus Extreme

Contain spill. 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. Place in a closed 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

Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial/occupational use only. Not for consumer sale or use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

### 7.2. Conditions for safe storage including any incompatibilities

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
Aluminium oxide	1344-28-1	Australia OELs	TWA(Inspirable dust)(8 hours):10 mg/m <sup>3</sup>	
Aluminum, insoluble compounds	1344-28-1	ACGIH	TWA(respirable fraction):1 mg/m <sup>3</sup>	A4: Not class. as human carcin
Glycerol	56-81-5	Australia OELs	TWA(Inspirable dust)(8 hours):10 mg/m <sup>3</sup>	
Paraffin oil	64742-46-7	Australia OELs	TWA(as mist)(8 hours):5 mg/m <sup>3</sup>	
JET FUELS (NON-AEROSOL), AS TOTAL HYDROCARBON VAPOUR	64742-47-8	ACGIH	TWA(as total hydrocarbon vapour, non-aerosol):200 mg/m <sup>3</sup>	A3: Confirmed animal carcin., SKIN
Kerosine (petroleum)	64742-47-8	ACGIH	TWA(as total hydrocarbon vapour, non-aerosol):200 mg/m <sup>3</sup>	A3: Confirmed animal carcin., SKIN
Silicon dioxide	7631-86-9	Australia OELs	TWA(respirable fraction)(8 hours):2 mg/m <sup>3</sup>	
Silica gel, precipitated, crystalline-free	7631-86-9	Australia OELs	TWA(Inspirable fraction)(8 hours):10 mg/m <sup>3</sup>	
MINERAL OILS, HIGHLY-REFINED OILS	8042-47-5	ACGIH	TWA(inhalable fraction):5 mg/m <sup>3</sup>	A4: Not class. as human carcin
Paraffin oil	8042-47-5	Australia OELs	TWA(as mist)(8 hours):5 mg/m <sup>3</sup>	

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

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

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

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

Safety glasses with side shields.

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

#### Skin/hand protection

No chemical protective gloves are required.

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

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

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

<b>Physical state</b>	Liquid.
<b>Specific Physical Form:</b>	Emulsion
<b>Colour</b>	White
<b>Odour</b>	Pine, Oily
<b>Odour threshold</b>	<i>No data available.</i>
<b>pH</b>	<i>No data available.</i>
<b>Melting point/Freezing point</b>	<i>Not applicable.</i>
<b>Boiling point/Initial boiling point/Boiling range</b>	<i>No data available.</i>
<b>Flash point</b>	No flash point
<b>Evaporation rate</b>	<i>Not applicable.</i>
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Flammable Limits(LEL)</b>	<i>No data available.</i>
<b>Flammable Limits(UEL)</b>	<i>No data available.</i>
<b>Vapour pressure</b>	<i>No data available.</i>
<b>Vapour density</b>	<i>No data available.</i>
<b>Density</b>	1.15 g/ml
<b>Relative density</b>	1.15 [Ref Std:WATER=1]

<b>Water solubility</b>	<i>No data available.</i>
<b>Solubility- non-water</b>	<i>No data available.</i>
<b>Partition coefficient: n-octanol/water</b>	<i>No data available.</i>
<b>Autoignition temperature</b>	<i>No data available.</i>
<b>Decomposition temperature</b>	<i>No data available.</i>
<b>Viscosity</b>	30 - 45 Pa-s
<b>Volatile organic compounds (VOC)</b>	20 %
<b>Percent volatile</b>	20 %
<b>VOC less H2O &amp; exempt solvents</b>	20 %

## 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

High shear and high temperature conditions  
Sparks and/or flames.

### 10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.5 Incompatible materials

Alkali and alkaline earth metals.  
Strong oxidising agents.

### 10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
None known.	

## 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

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain.

#### Skin contact

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Dermal Defatting: Signs/symptoms may include localised redness, itching, drying and cracking of skin.

**Eye contact**

Dust created by cutting, grinding, sanding, or machining may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Ingestion**

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

**Additional Health Effects:****Prolonged or repeated exposure may cause target organ effects:**

Central neuropathy: Signs/symptoms may include irritability, memory impairment, personality changes, sleep disorders, and decreased ability to concentrate.

**Toxicological Data**

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

**Acute Toxicity**

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Inhalation-Vapour(4 hr)		No data available; calculated ATE >50 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Aluminium oxide	Dermal		LD50 estimated to be > 5,000 mg/kg
Aluminium oxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 2.3 mg/l
Aluminium oxide	Ingestion	Rat	LD50 > 5,000 mg/kg
Distillates (petroleum), hydrotreated light	Inhalation-Vapour	Professional judgement	LC50 estimated to be 20 - 50 mg/l
Distillates (petroleum), hydrotreated light	Dermal	Rabbit	LD50 > 5,000 mg/kg
Distillates (petroleum), hydrotreated light	Ingestion	Rat	LD50 > 5,000 mg/kg
White mineral oil (petroleum)	Dermal	Rabbit	LD50 > 2,000 mg/kg
White mineral oil (petroleum)	Ingestion	Rat	LD50 > 5,000 mg/kg
Naphtha (petroleum), hydrodesulfurized heavy	Dermal	Rat	LD50 > 3,400 mg/kg
Naphtha (petroleum), hydrodesulfurized heavy	Inhalation-Vapour (4 hours)	Rat	LC50 > 16.2 mg/l
Naphtha (petroleum), hydrodesulfurized heavy	Ingestion	Rat	LD50 > 15,000 mg/kg
Silicon dioxide	Dermal	Rabbit	LD50 > 5,000 mg/kg
Silicon dioxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Silicon dioxide	Ingestion	Rat	LD50 > 5,110 mg/kg
Glycerol	Dermal	Rabbit	LD50 estimated to be > 5,000 mg/kg
Glycerol	Ingestion	Rat	LD50 > 5,000 mg/kg
Solvent naphtha (petroleum), heavy aromatic	Inhalation-Vapour	Professional judgement	LC50 estimated to be 20 - 50 mg/l
Solvent naphtha (petroleum), heavy aromatic	Dermal	Rabbit	LD50 > 2,000 mg/kg
Solvent naphtha (petroleum), heavy aromatic	Ingestion	Rat	LD50 > 5,000 mg/kg
Distillates (petroleum), hydrotreated	Dermal	Rabbit	LD50 > 2,000 mg/kg

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middle			
Distillates (petroleum), hydrotreated middle	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.3 mg/l
Distillates (petroleum), hydrotreated middle	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Aluminium oxide	Rabbit	No significant irritation
Distillates (petroleum), hydrotreated light	Rabbit	Minimal irritation
White mineral oil (petroleum)	Rabbit	No significant irritation
Naphtha (petroleum), hydrodesulfurized heavy	Rabbit	Minimal irritation
Silicon dioxide	Rabbit	No significant irritation
Glycerol	Rabbit	No significant irritation
Solvent naphtha (petroleum), heavy aromatic	Rabbit	Minimal irritation
Distillates (petroleum), hydrotreated middle	Rabbit	No significant irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
Aluminium oxide	Rabbit	No significant irritation
Distillates (petroleum), hydrotreated light	Rabbit	Mild irritant
White mineral oil (petroleum)	Rabbit	Mild irritant
Naphtha (petroleum), hydrodesulfurized heavy	Rabbit	No significant irritation
Silicon dioxide	Rabbit	No significant irritation
Glycerol	Rabbit	No significant irritation
Solvent naphtha (petroleum), heavy aromatic	Rabbit	Mild irritant
Distillates (petroleum), hydrotreated middle	Rabbit	Mild irritant

**Skin Sensitisation**

Name	Species	Value
Distillates (petroleum), hydrotreated light	Guinea pig	Not classified
White mineral oil (petroleum)	Guinea pig	Not classified
Naphtha (petroleum), hydrodesulfurized heavy	Guinea pig	Not classified
Silicon dioxide	Human and animal	Not classified
Glycerol	Guinea pig	Not classified
Solvent naphtha (petroleum), heavy aromatic	Guinea pig	Not classified
Distillates (petroleum), hydrotreated middle	Guinea pig	Not classified

**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
Aluminium oxide	In Vitro	Not mutagenic
Distillates (petroleum), hydrotreated light	In Vitro	Not mutagenic
Distillates (petroleum), hydrotreated light	In vivo	Not mutagenic
White mineral oil (petroleum)	In Vitro	Not mutagenic
Silicon dioxide	In Vitro	Not mutagenic
Solvent naphtha (petroleum), heavy aromatic	In Vitro	Not mutagenic
Solvent naphtha (petroleum), heavy aromatic	In vivo	Not mutagenic
Distillates (petroleum), hydrotreated middle	In Vitro	Not mutagenic
Distillates (petroleum), hydrotreated middle	In vivo	Not mutagenic



**Carcinogenicity**

Name	Route	Species	Value
Aluminium oxide	Inhalation	Rat	Not carcinogenic
Distillates (petroleum), hydrotreated light	Not specified.	Not available	Not carcinogenic
White mineral oil (petroleum)	Dermal	Mouse	Not carcinogenic
White mineral oil (petroleum)	Inhalation	Multiple animal species	Not carcinogenic
Silicon dioxide	Not specified.	Mouse	Some positive data exist, but the data are not sufficient for classification
Glycerol	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Distillates (petroleum), hydrotreated light	Not specified.	Not classified for female reproduction	Rat	NOAEL Not available	1 generation
Distillates (petroleum), hydrotreated light	Not specified.	Not classified for male reproduction	Rat	NOAEL Not available	1 generation
Distillates (petroleum), hydrotreated light	Not specified.	Not classified for development	Rat	NOAEL Not available	1 generation
White mineral oil (petroleum)	Ingestion	Not classified for female reproduction	Rat	NOAEL 4,350 mg/kg/day	13 weeks
White mineral oil (petroleum)	Ingestion	Not classified for male reproduction	Rat	NOAEL 4,350 mg/kg/day	13 weeks
White mineral oil (petroleum)	Ingestion	Not classified for development	Rat	NOAEL 4,350 mg/kg/day	during gestation
Silicon dioxide	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Silicon dioxide	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Silicon dioxide	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Glycerol	Ingestion	Not classified for female reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerol	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerol	Ingestion	Not classified for development	Rat	NOAEL 2,000 mg/kg/day	2 generation
Solvent naphtha (petroleum), heavy aromatic	Not specified.	Not classified for female reproduction	Rat	NOAEL Not available	2 generation
Solvent naphtha (petroleum), heavy aromatic	Not specified.	Not classified for male reproduction	Rat	NOAEL Not available	2 generation
Solvent naphtha (petroleum), heavy	Not specified.	Not classified for development	Rat	NOAEL Not available	2 generation

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aromatic					
Distillates (petroleum), hydrotreated middle	Not specified.	Not classified for female reproduction	Rat	NOAEL Not available	gestation into lactation
Distillates (petroleum), hydrotreated middle	Not specified.	Not classified for male reproduction	Rat	NOAEL Not available	28 days
Distillates (petroleum), hydrotreated middle	Not specified.	Not classified for development	Rat	NOAEL Not available	during gestation

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Naphtha (petroleum), hydrodesulfurized heavy	Inhalation	central nervous system depression	May cause drowsiness or dizziness	similar compounds	NOAEL not available	
Naphtha (petroleum), hydrodesulfurized heavy	Ingestion	central nervous system depression	May cause drowsiness or dizziness	similar compounds	NOAEL not available	
Solvent naphtha (petroleum), heavy aromatic	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Aluminium oxide	Inhalation	pneumoconiosis	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
Aluminium oxide	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure
White mineral oil (petroleum)	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 1,381 mg/kg/day	90 days
White mineral oil (petroleum)	Ingestion	liver   immune system	Not classified	Rat	NOAEL 1,336 mg/kg/day	90 days
Naphtha (petroleum), hydrodesulfurized heavy	Inhalation	central nervous system	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL not available	occupational exposure
Silicon dioxide	Inhalation	respiratory system   silicosis	Not classified	Human	NOAEL Not available	occupational exposure
Glycerol	Inhalation	respiratory system   heart   liver   kidney and/or bladder	Not classified	Rat	NOAEL 3.91 mg/l	14 days
Glycerol	Ingestion	endocrine system   hematopoietic system   liver	Not classified	Rat	NOAEL 10,000 mg/kg/day	2 years

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		kidney and/or bladder				
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**Aspiration Hazard**

Name	Value
Distillates (petroleum), hydrotreated light	Aspiration hazard
White mineral oil (petroleum)	Aspiration hazard
Naphtha (petroleum), hydrodesulfurized heavy	Aspiration hazard
Solvent naphtha (petroleum), heavy aromatic	Aspiration hazard
Distillates (petroleum), hydrotreated middle	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 3: Harmful to aquatic life.

**Chronic aquatic hazard:**

GHS Chronic 3: Harmful to aquatic life with long lasting effects.

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Aluminium oxide	1344-28-1	Fish	Experimental	96 hours	LC50	>100 mg/l
Aluminium oxide	1344-28-1	Green Algae	Experimental	72 hours	EC50	>100 mg/l
Aluminium oxide	1344-28-1	Water flea	Experimental	48 hours	LC50	>100 mg/l
Aluminium oxide	1344-28-1	Green Algae	Experimental	72 hours	NOEC	>100 mg/l
Distillates (petroleum), hydrotreated light	64742-47-8	Green Algae	Experimental	72 hours	Effect Level 50%	>1,000 mg/l
Distillates (petroleum), hydrotreated light	64742-47-8	Rainbow trout	Experimental	96 hours	Lethal Level 50%	>1,000 mg/l
Distillates (petroleum), hydrotreated	64742-47-8	Water flea	Experimental	48 hours	Effect Level 50%	>1,000 mg/l

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light						
Distillates (petroleum), hydrotreated light	64742-47-8	Green Algae	Experimental	72 hours	No obs Effect Level	1,000 mg/l
White mineral oil (petroleum)	8042-47-5	Water flea	Estimated	48 hours	Effect Level 50%	>100 mg/l
White mineral oil (petroleum)	8042-47-5	Bluegill	Experimental	96 hours	Lethal Level 50%	>100 mg/l
White mineral oil (petroleum)	8042-47-5	Green algae	Estimated	72 hours	No obs Effect Level	>100 mg/l
White mineral oil (petroleum)	8042-47-5	Water flea	Estimated	21 days	No obs Effect Level	>100 mg/l
Glycerol	56-81-5	Rainbow trout	Experimental	96 hours	LC50	54,000 mg/l
Glycerol	56-81-5	Water flea	Experimental	48 hours	LC50	1,955 mg/l
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	Green Algae	Estimated	72 hours	Effect Level 50%	4.1 mg/l
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	Rainbow trout	Estimated	96 hours	Lethal Level 50%	30 mg/l
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	Water flea	Estimated	48 hours	Effect Level 50%	22 mg/l
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	Green Algae	Estimated	72 hours	No obs Effect Level	0.76 mg/l
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	Water flea	Estimated	21 days	Effect Concentration 10%	0.879 mg/l
Silicon dioxide	7631-86-9		Data not available or insufficient for classification			
Distillates (petroleum), hydrotreated middle	64742-46-7	Green Algae	Estimated	72 hours	Effect Level 50%	>1,000 mg/l
Distillates (petroleum), hydrotreated middle	64742-46-7	Rainbow trout	Estimated	96 hours	Lethal Level 50%	>87,556 mg/l
Distillates (petroleum), hydrotreated middle	64742-46-7	Water flea	Estimated	48 hours	Lethal Level 50%	>1,000 mg/l
Distillates (petroleum), hydrotreated middle	64742-46-7	Green Algae	Estimated	72 hours	No obs Effect Level	1,000 mg/l

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Distillates (petroleum), hydrotreated middle	64742-46-7	Water flea	Estimated	21 days	No obs Effect Level	5 mg/l
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	Green Algae	Estimated	72 hours	Effect Level 50%	1 mg/l
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	Rainbow trout	Estimated	96 hours	Lethal Level 50%	2 mg/l
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	Water flea	Estimated	48 hours	Effect Level 50%	3 mg/l
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	Green Algae	Estimated	72 hours	No obs Effect Level	1 mg/l

**12.2. Persistence and degradability**

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Aluminium oxide	1344-28-1	Data not available-insufficient			N/A	
Distillates (petroleum), hydrotreated light	64742-47-8	Estimated Biodegradation	28 days	BOD	69 % BOD/ThBOD	OECD 301F - Manometric respirometry
White mineral oil (petroleum)	8042-47-5	Experimental Biodegradation	28 days	CO2 evolution	0 % weight	OECD 301B - Modified sturm or CO2
Glycerol	56-81-5	Experimental Biodegradation	14 days	BOD	63 % BOD/ThBOD	OECD 301C - MITI test (I)
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	Estimated Biodegradation	28 days	BOD	74.7 % BOD/ThBOD	OECD 301F - Manometric respirometry
Silicon dioxide	7631-86-9	Data not available-insufficient			N/A	
Distillates (petroleum), hydrotreated middle	64742-46-7	Estimated Biodegradation	28 days	BOD	74 % BOD/ThBOD	OECD 306(Misc)-Biodegrad. Seaw
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	Experimental Biodegradation	28 days	BOD	49.6 % BOD/ThBOD	OECD 301F - Manometric respirometry

**12.3 : Bioaccumulative potential**

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Aluminium	1344-28-1	Data not	N/A	N/A	N/A	N/A

**Fast Cut Plus Extreme**

oxide		available or insufficient for classification				
Distillates (petroleum), hydrotreated light	64742-47-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
White mineral oil (petroleum)	8042-47-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Glycerol	56-81-5	Experimental Bioconcentration		Log Kow	-1.76	Other methods
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Silicon dioxide	7631-86-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Distillates (petroleum), hydrotreated middle	64742-46-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

**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. Proper destruction may require the use of additional fuel during incineration processes.

**SECTION 14: Transport Information****Australian Dangerous Goods Code (ADG) - Road/Rail Transport**

UN No.: UN3082

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. , ( (Naphtha (Petroleum), Hydrodesulfurized Heavy)(Heavy Aromatic Solvent Naphtha (Petroleum) )

**Class/Division:** 9

**Sub Risk:** Not applicable.

**Packing Group:** III

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**Special Instructions:** Australian Dangerous Goods Code: Not subject to this code as per Special Provision AU01  
**Hazchem Code:** •3Z  
**IERG:** 47

### **International Air Transport Association (IATA) - Air Transport**

**UN No.:** UN3082

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. , ( (Naphtha (Petroleum), Hydrodesulfurized Heavy)(Heavy Aromatic Solvent Naphtha (Petroleum) )

**Class/Division:** 9

**Sub Risk:** Not applicable.

**Packing Group:** III

**Special Instructions:** Not restricted, as per Special Provision A197, environmentally hazardous substance exception.

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

**UN No.:** UN3082

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. , ( (Naphtha (Petroleum), Hydrodesulfurized Heavy)(Heavy Aromatic Solvent Naphtha (Petroleum) )

**Class/Division:** 9

**Sub Risk:** Not applicable.

**Packing Group:** III

**Marine Pollutant:** Not applicable.

**Special Instructions:** Not restricted, as per IMDG code 2.10.2.7, marine pollutant exception.

## 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.

## SECTION 16: Other information

#### **Revision information:**

Updates to several SDS sections. We encourage you to reread the SDS and review the information.

**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](http://www.3m.com.au)**