



## Safety Data Sheet

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

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Safety-Walk Economy Safety Mat-Red

#### Product Identification Numbers

AN-0194-1379-6

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

##### Recommended use

Mats

For Industrial or Professional use only.

#### 1.3. Supplier's details

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

#### 1.4. Emergency telephone number

EMERGENCY: 1800 097 146 (Australia only)

### SECTION 2: Hazard identification

This product is NOT classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011, in accordance with applicable State and Territory legislation.

This product is an article and is not regulated by the Model Work Health and Safety Regulations (2011) because, it is not classified as hazardous. When used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

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

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

This product is exempt from hazard classification according to the Model Work Health and Safety Regulations, 2011, in

accordance with applicable State and Territory legislation.

## 2.2. Label elements

### Signal word

Not applicable.

### Symbols

Not applicable.

### Pictograms

Not applicable.

## 2.3. Other assigned/identified product hazards

None known.

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

None known.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	CAS Nbr	% by Weight
Filler	Trade Secret	20 - 40
Calsit Filler	Trade Secret	10 - 30
Natural rubber.	Trade Secret	10 - 30
Nitrile rubber.	Trade Secret	7 - 13
Processing Aids	Trade Secret	7 - 13
Activator	Trade Secret	1 - 5
Pigment	Trade Secret	1 - 5
Curing Agent	Trade Secret	0.5 - 1.5

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

No need for first aid is anticipated.

#### Skin contact

No need for first aid is anticipated.

#### Eye contact

No need for first aid is anticipated.

#### If swallowed

No need for first aid is anticipated.

### 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**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

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

None inherent in this product.

**Hazardous Decomposition or By-Products****Substance**

Carbon monoxide.

Carbon dioxide.

Irritant vapours or gases.

**Condition**

During combustion.

During combustion.

During combustion.

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

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Not applicable.

**6.2. Environmental precautions**

Not applicable.

**6.3. Methods and material for containment and cleaning up**

Not applicable.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

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

Not applicable.

**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.

<b>Ingredient</b>	<b>CAS Nbr</b>	<b>Agency</b>	<b>Limit type</b>	<b>Additional comments</b>
Activator	Trade Secret	ACGIH	TWA(respirable fraction):2 mg/m3;STEL(respirable fraction):10 mg/m3	
Activator	Trade Secret	Australia OELs	TWA(as fume)(8 hours):5 mg/m3;TWA(Inspirable dust)(8 hours):10	

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			mg/m3;STEL(as fume)(15 minutes):10 mg/m3	
Calsit Filler	Trade Secret	Australia OELs	TWA(Inspirable dust)(8 hours):10 mg/m3	
Filler	Trade Secret	ACGIH	TWA(inhalable particulates):10 mg/m3;TWA(respirable fraction):2 mg/m3;TWA(respirable particles):3 mg/m3	A4: Not class. as human carcin
Filler	Trade Secret	Australia OELs	TWA(Inspirable dust)(8 hours):10 mg/m3	
Pigment	Trade Secret	ACGIH	TWA(inhalable particulates):10 mg/m3;TWA(respirable fraction):5 mg/m3;TWA(respirable particles):3 mg/m3	A4: Not class. as human carcin
Pigment	Trade Secret	Australia OELs	TWA(as Fe, fume)(8 hours):5 mg/m3;TWA(Inspirable dust)(8 hours):10 mg/m3	

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**

No engineering controls required.

**8.2.2. Personal protective equipment (PPE)****Eye/face protection**

Eye protection not required.

**Skin/hand protection**

No chemical protective gloves are required.

**Respiratory protection**

Respiratory protection is not required.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

**Physical state**

Solid.

**Specific Physical Form:**

Red Matting

**Appearance/Odour**

Red colour

**Odour threshold**

*Not applicable.*

pH	<i>Not applicable.</i>
Melting point/Freezing point	<i>Not applicable.</i>
Boiling point/Initial boiling point/Boiling range	<i>Not applicable.</i>
Flash point	<i>Not applicable.</i>
Evaporation rate	<i>Not applicable.</i>
Flammability (solid, gas)	Not classified
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	<i>Not applicable.</i>
Vapour density	<i>Not applicable.</i>
Density	1.4 g/cm <sup>3</sup>
Relative density	<i>Not applicable.</i>
Water solubility	<i>Not applicable.</i>
Solubility- non-water	<i>Not applicable.</i>
Solubility- non-water	<i>Not applicable.</i>
Partition coefficient: n-octanol/water	<i>Not applicable.</i>
Autoignition temperature	<i>Not applicable.</i>
Decomposition temperature	<i>Not applicable.</i>
Viscosity	<i>Not applicable.</i>

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

### 10.2 Chemical stability

Stable.

### 10.3. Conditions to avoid

Sparks and/or flames.

### 10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.5 Incompatible materials

Not determined

### 10.6 Hazardous decomposition products

#### Substance

#### Condition

None known.

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

## 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**

No known health effects.

**Skin contact**

No health effects are expected.

**Eye contact**

No known health effects.

**Ingestion**

No health effects are expected.

**Toxicological Data**

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

**Acute Toxicity**

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Filler	Dermal		LD50 estimated to be > 5,000 mg/kg
Filler	Ingestion	Human	LD50 > 15,000 mg/kg
Calsit Filler	Dermal	Rat	LD50 > 2,000 mg/kg
Calsit Filler	Inhalation-Dust/Mist (4 hours)	Rat	LC50 3 mg/l
Calsit Filler	Ingestion	Rat	LD50 6,450 mg/kg
Processing Aids	Dermal	Rat	LD50 > 1,055 mg/kg
Processing Aids	Ingestion	Rat	LD50 > 15,825 mg/kg
Nitrile rubber.	Dermal	Rabbit	LD50 > 15,000 mg/kg
Nitrile rubber.	Ingestion	Rat	LD50 > 30,000 mg/kg
Pigment	Dermal	Not available	LD50 3,100 mg/kg
Pigment	Ingestion	Not available	LD50 3,700 mg/kg
Activator	Dermal		LD50 estimated to be > 5,000 mg/kg
Activator	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.7 mg/l
Activator	Ingestion	Rat	LD50 > 5,000 mg/kg
Curing Agent	Dermal	Rabbit	LD50 > 2,000 mg/kg
Curing Agent	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 9.2 mg/l
Curing Agent	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Filler	Professional judgement	No significant irritation
Calsit Filler	Rabbit	No significant irritation
Processing Aids	Human and animal	No significant irritation
Nitrile rubber.	Professional judgement	No significant irritation
Pigment	Rabbit	No significant irritation
Activator	Human and animal	No significant irritation
Curing Agent	Rabbit	Irritant

**Serious Eye Damage/Irritation**

Name	Species	Value
Filler	Professional judgement	No significant irritation
Calsit Filler	Rabbit	No significant irritation
Processing Aids	Rabbit	No significant irritation
Nitrile rubber.	Professional judgement	No significant irritation
Pigment	Rabbit	No significant irritation
Activator	Rabbit	Mild irritant
Curing Agent	Rabbit	Mild irritant

**Skin Sensitisation**

Name	Species	Value
Pigment	Human	Not classified
Activator	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
Processing Aids	In Vitro	Not mutagenic
Pigment	In Vitro	Not mutagenic
Activator	In Vitro	Some positive data exist, but the data are not sufficient for classification
Activator	In vivo	Some positive data exist, but the data are not sufficient for classification

**Carcinogenicity**

Name	Route	Species	Value
Filler	Inhalation	Multiple animal species	Not carcinogenic
Pigment	Inhalation	Human	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
Calsit Filler	Ingestion	Not classified for development	Rat	NOAEL 625 mg/kg/day	prematuring & during gestation
Processing Aids	Ingestion	Not classified for female reproduction	Rat	NOAEL 530 mg/kg/day	1 generation
Processing Aids	Ingestion	Not classified for development	Rat	NOAEL 530 mg/kg/day	1 generation
Activator	Ingestion	Not classified for reproduction and/or development	Multiple animal species	NOAEL 125 mg/kg/day	prematuring & during gestation

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
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Calsit Filler	Inhalation	respiratory system	Not classified	Rat	NOAEL 0.812 mg/l	90 minutes
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**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Filler	Inhalation	pneumoconiosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL NA	occupational exposure
Filler	Inhalation	pulmonary fibrosis	Not classified	Rat	NOAEL Not available	
Calsit Filler	Inhalation	respiratory system	Not classified	Human	NOAEL Not available	occupational exposure
Processing Aids	Ingestion	liver   kidney and/or bladder	Not classified	Rat	NOAEL 1,490 mg/kg/day	90 days
Pigment	Inhalation	pulmonary fibrosis   pneumoconiosis	Not classified	Human	NOAEL Not available	occupational exposure
Activator	Ingestion	nervous system	Not classified	Rat	NOAEL 600 mg/kg/day	10 days
Activator	Ingestion	endocrine system   hematopoietic system   kidney and/or bladder	Not classified	Other	NOAEL 500 mg/kg/day	6 months

**Aspiration Hazard**

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

**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**

No product test data available.

Material	CAS Number	Organism	Type	Exposure	Test endpoint	Test result
Filler	Trade Secret	Water flea	Experimental	48 hours	LC50	>1,100 mg/l
Calsit Filler	Trade Secret	Green algae	Experimental	72 hours	EC50	>100 mg/l
Calsit Filler	Trade Secret	Rainbow trout	Experimental	96 hours	LC50	>100 mg/l
Calsit Filler	Trade Secret	Water flea	Experimental	48 hours	EC50	>100 mg/l
Calsit Filler	Trade Secret	Green algae	Experimental	72 hours	Effect Concentration 10%	>100 mg/l
Natural rubber.	Trade Secret		Data not			



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			available or insufficient for classification			
Nitrile rubber.	Trade Secret		Data not available or insufficient for classification			
Processing Aids	Trade Secret	Green algae	Experimental	72 hours	EC50	>100 mg/l
Processing Aids	Trade Secret	Water flea	Experimental	48 hours	EC50	>100 mg/l
Processing Aids	Trade Secret	Zebra Fish	Experimental	96 hours	LC50	>100 mg/l
Processing Aids	Trade Secret	Green algae	Experimental	72 hours	NOEC	>100 mg/l
Activator	Trade Secret	Rainbow trout	Estimated	96 hours	LC50	0.21 mg/l
Activator	Trade Secret	Crustacea other	Experimental	24 hours	LC50	0.24 mg/l
Activator	Trade Secret	Green Algae	Experimental	72 hours	EC50	0.057 mg/l
Activator	Trade Secret	Algae or other aquatic plants	Estimated	96 hours	Effect Concentration 10%	0.026 mg/l
Activator	Trade Secret	Crustacea other	Estimated	24 days	NOEC	0.007 mg/l
Activator	Trade Secret	Rainbow trout	Estimated	30 days	NOEC	0.049 mg/l
Pigment	Trade Secret	Golden Orfe	Experimental	48 hours	LC50	>1,000 mg/l
Curing Agent	Trade Secret	Algae	Endpoint not reached	72 hours	Effect Level 50%	>100 mg/l
Curing Agent	Trade Secret	Rainbow trout	Experimental	96 hours	Lethal Level 50%	>100 mg/l
Curing Agent	Trade Secret	Water flea	Experimental	48 hours	Effect Level 50%	>100 mg/l

**12.2. Persistence and degradability**

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Filler	Trade Secret	Data not available-insufficient			N/A	
Calsit Filler	Trade Secret	Data not available-insufficient			N/A	
Natural rubber.	Trade Secret	Data not available-insufficient			N/A	
Nitrile rubber.	Trade Secret	Data not available-insufficient			N/A	
Processing Aids	Trade Secret	Experimental Biodegradation	28 days	BOD	49 % weight	
Activator	Trade Secret	Data not available-insufficient			N/A	
Pigment	Trade Secret	Data not available-insufficient			N/A	

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Curing Agent	Trade Secret	Data not available- insufficient			N/A	
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**12.3 : Bioaccumulative potential**

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Filler	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Calsit Filler	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Natural rubber.	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Nitrile rubber.	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Processing Aids	Trade Secret	Experimental BCF-Carp	36 days	Bioaccumulation factor	56-212	
Activator	Trade Secret	Experimental BCF-Carp	56 days	Bioaccumulation factor	≤217	OECD 305E - Bioaccumulation flow-through fish test
Pigment	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Curing Agent	Trade Secret	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.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

**SECTION 14: Transport Information**

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

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

**Hazchem Code:** Not applicable

**IERG:** Not applicable.

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

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

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

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

**Marine Pollutant:** Not applicable.

**SECTION 15: Regulatory information**

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

**Australian Inventory Status:**

This product is defined as an article under the Industrial Chemicals (Notification and Assessment) Act 1989, as amended, and is exempt from inventory requirements under the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

**SECTION 16: Other information**

**Revision information:**

Initial issue.

**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)**