



## Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the South African National Standard SANS 10234:2008.

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Strip-Calk (Black), PN 08578

#### Product Identification Numbers

60-9800-1955-2

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

##### Recommended use

Automotive., Caulk for use in seams, joints, and openings.

#### 1.3. Supplier's details

**Address:** 3M South Africa (Pty) Ltd, Private Bag X926, Rivonia 2128  
**Telephone:** 011 806 2000  
**E Mail:** Not available.  
**Website:** www.3m.co.za

#### 1.4. Emergency telephone number

011 806 2000

### SECTION 2: Hazard identification

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

Skin Corrosion/Irritation: Category 3.

Skin Sensitizer: Category 1.

Acute Aquatic Toxicity: Category 3.

Chronic Aquatic Toxicity: Category 2.

#### 2.2. Label elements

##### Signal word

Warning

##### Symbols

Exclamation mark |Environment |

##### Pictograms

**HAZARD STATEMENTS:**

H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H402	Harmful to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS****General:**

P102 Keep out of reach of children.

**Prevention:**

P273 Avoid release to the environment.  
P280E Wear protective gloves.

**Response:**

P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

**Disposal:**

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

**2.3. Other hazards**

None known.

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

This material is a mixture.

Ingredient	CAS Nbr	% by Wt
Kaolin	1332-58-7	15 - 40
Oxide glass chemicals	65997-17-3	20 - 40
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	9003-29-6	10 - 30
Silicon dioxide	7631-86-9	0.5 - 1.5
Polyisobutylene	9003-27-4	5 - 10
Aluminatesilicate	1327-36-2	< 6
Calcium Carbonate	1317-65-3	1 - 5
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	< 0.4
ALUMINIUM DISTEARATE	300-92-5	<= 2
Mica-group minerals	12001-26-2	< 1.5
Quartz	14808-60-7	< 1.5
Rheological Additive	Trade Secret	0.1 - 1

**SECTION 4: First aid measures****4.1. Description of first aid measures**

**Inhalation**

Remove person to fresh air. If you feel unwell, get medical attention.

**Skin contact**

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye contact**

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

**If swallowed**

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

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

Allergic skin reaction (redness, swelling, blistering, and itching).

**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.

Condition

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**

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**

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. 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**

Keep out of reach of children. Avoid breathing 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.

## 7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

## 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
Mica-group minerals	12001-26-2	ACGIH	TWA(respirable fraction):0.1 mg/m <sup>3</sup>	
Mica-group minerals	12001-26-2	South Africa RELs	TWA(respirable fraction)(8 hours):6 mg/m <sup>3</sup>	
Silicon Carbide	1317-65-3	South Africa RELs	TWA(as total dust)(8 hours):10 mg/m <sup>3</sup> ;TWA(as respirable dust)(8 hours):5 mg/m <sup>3</sup>	
Aluminum, insoluble compounds	1327-36-2	ACGIH	TWA(respirable fraction):1 mg/m <sup>3</sup>	A4: Not class. as human carcin
Aluminum, insoluble compounds	1327-36-2	South Africa RELs	TWA(as Al, respirable fraction)(8 hours):2 mg/m <sup>3</sup>	
Silicon Carbide	1332-58-7	South Africa RELs	TWA(as total dust)(8 hours):10 mg/m <sup>3</sup> ;TWA(as respirable dust)(8 hours):5 mg/m <sup>3</sup>	
Kaolin	1332-58-7	ACGIH	TWA(respirable fraction):2 mg/m <sup>3</sup>	A4: Not class. as human carcin
Quartz	14808-60-7	ACGIH	TWA(respirable fraction):0.025 mg/m <sup>3</sup>	A2: Suspected human carcin.
Quartz	14808-60-7	South Africa CLs	TWA(respirable fraction)(8 hours):0.1 mg/m <sup>3</sup>	
Aluminum, insoluble compounds	300-92-5	ACGIH	TWA(respirable fraction):1 mg/m <sup>3</sup>	A4: Not class. as human carcin
Aluminum, insoluble compounds	300-92-5	South Africa RELs	TWA(as Al, respirable fraction)(8 hours):2 mg/m <sup>3</sup>	
CERAMIC FIBERS	65997-17-3	ACGIH	TWA(as fiber):0.2 fiber/cc	A2: Suspected human carcin.
CERAMIC FIBERS	65997-17-3	South Africa RELs	TWA(8 hours):0.4 fiber/cc	
CONTINUOUS FILAMENT GLASS FIBERS, INHALABLE FRACTION	65997-17-3	ACGIH	TWA(inhalable fraction):5 mg/m <sup>3</sup>	A4: Not class. as human carcin
CONTINUOUS FILAMENT GLASS FIBERS, INHALABLE FRACTION	65997-17-3	South Africa RELs	TWA(8 hours):10 mg/m <sup>3</sup>	
Oxide glass chemicals	65997-17-3	Manufacturer determined	TWA(as non-fibrous, respirable)(8 hours):3	

			mg/m <sup>3</sup> ;TWA(as non-fibrous, inhalable fraction)(8 hours):10 mg/m <sup>3</sup>	
SPECIAL PURPOSE GLASS FIBERS	65997-17-3	ACGIH	TWA(as fiber):1 fiber/cc	A3: Confirmed animal carcin.
SPECIAL PURPOSE GLASS FIBERS	65997-17-3	South Africa RELs	TWA(8 hours):2 fiber/cc	
Silicon Carbide	7631-86-9	South Africa RELs	TWA(as total dust)(8 hours):10 mg/m <sup>3</sup> ;TWA(as respirable dust)(8 hours):5 mg/m <sup>3</sup>	
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	ACGIH	TWA(inhalable fraction):1 mg/m <sup>3</sup>	A4: Not class. as human carcin
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	South Africa RELs	Limit value not established:	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

South Africa CLs : South Africa. Control Limits. Regulations for Hazardous Chemical Substances, Table 1

South Africa RELs : South Africa. Recommended Exposure Limits (RELs) Regulations for Hazardous Chemical Substances, Table 2

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

No engineering controls required.

### 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.

Gloves made from the following material(s) are recommended: Neoprene.

Nitrile rubber.

Polyvinyl chloride.

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: Neoprene apron.

Apron – Nitrile

#### Respiratory protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid.
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<b>Specific Physical Form:</b>	Viscous putty
<b>Colour</b>	Black
<b>Odor</b>	Not determined.
<b>Odour threshold</b>	<i>No data available.</i>
<b>pH</b>	<i>Not applicable.</i>
<b>Melting point/Freezing point</b>	<i>No data available.</i>
<b>Boiling point/Initial boiling point/Boiling range</b>	<i>Not applicable.</i>
<b>Flash point</b>	No flash point
<b>Evaporation rate</b>	<i>Not applicable.</i>
<b>Flammability (solid, gas)</b>	Not classified
<b>Flammable Limits(LEL)</b>	<i>Not applicable.</i>
<b>Flammable Limits(UEL)</b>	<i>Not applicable.</i>
<b>Vapour pressure</b>	<i>Not applicable.</i>
<b>Vapor Density and/or Relative Vapor Density</b>	<i>Not applicable.</i>
<b>Density</b>	1,92 g/cm <sup>3</sup>
<b>Relative density</b>	1,92 [Ref Std: WATER=1]
<b>Water solubility</b>	Slight (less than 10%)
<b>Solubility- non-water</b>	Slight (less than 10%)
<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/Kinematic Viscosity</b>	<i>No data available.</i>
<b>Volatile organic compounds (VOC)</b>	0 g/l [Test Method:calculated SCAQMD rule 443.1]
<b>Volatile organic compounds (VOC)</b>	0 % weight [Test Method:calculated per CARB title 2]
<b>Percent volatile</b>	0 % weight
<b>VOC less H<sub>2</sub>O &amp; exempt solvents</b>	0 g/l [Test Method:calculated SCAQMD rule 443.1]
<b>Solids content</b>	77,6 % weight

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non reactive under normal use conditions

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Sparks and/or flames.

### 10.5 Incompatible materials

Not determined

### 10.6 Hazardous decomposition products

#### Substance

None known.

#### Condition

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

No known health effects.

#### Skin contact

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.

#### 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.

#### 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
Oxide glass chemicals	Dermal		LD50 estimated to be > 5 000 mg/kg
Oxide glass chemicals	Ingestion		LD50 estimated to be 2 000 - 5 000 mg/kg
Kaolin	Dermal		LD50 estimated to be > 5 000 mg/kg
Kaolin	Ingestion	Human	LD50 > 15 000 mg/kg
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	Dermal	Rat	LD50 > 10 250 mg/kg
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	Ingestion	Rat	LD50 > 34 600 mg/kg
Polyisobutylene	Dermal		LD50 estimated to be > 5 000 mg/kg
Polyisobutylene	Ingestion	Rat	LD50 > 2 000 mg/kg
Aluminatesilicate	Dermal		LD50 estimated to be > 5 000 mg/kg
Aluminatesilicate	Ingestion		LD50 estimated to be > 5 000 mg/kg
Calcium Carbonate	Dermal	Rat	LD50 > 2 000 mg/kg
Calcium Carbonate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 3 mg/l
Calcium Carbonate	Ingestion	Rat	LD50 6 450 mg/kg
Quartz	Dermal		LD50 estimated to be > 5 000 mg/kg
Quartz	Ingestion		LD50 estimated to be > 5 000 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

Mica-group minerals	Dermal		LD50 estimated to be > 5 000 mg/kg
Mica-group minerals	Ingestion		LD50 estimated to be 2 000 - 5 000 mg/kg
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Dermal	Rabbit	LD50 > 5 010 mg/kg
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Ingestion	Rat	LD50 2 315 mg/kg

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

Name	Species	Value
Oxide glass chemicals	Professional judgement	No significant irritation
Kaolin	Professional judgement	No significant irritation
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	Rabbit	Minimal irritation
Polyisobutylene	Rabbit	No significant irritation
Calcium Carbonate	Rabbit	No significant irritation
Quartz	Professional judgement	No significant irritation
Silicon dioxide	Rabbit	No significant irritation
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Rabbit	Mild irritant

### Serious Eye Damage/Irritation

Name	Species	Value
Oxide glass chemicals	Professional judgement	No significant irritation
Kaolin	Professional judgement	No significant irritation
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	Rabbit	Mild irritant
Polyisobutylene	Rabbit	No significant irritation
Calcium Carbonate	Rabbit	No significant irritation
Silicon dioxide	Rabbit	No significant irritation
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Rabbit	Moderate irritant

### Sensitization:

#### Skin Sensitisation

Name	Species	Value
Silicon dioxide	Human and animal	Not classified
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	Guinea pig	Sensitising

#### Respiratory Sensitisation

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

#### Germ Cell Mutagenicity

Name	Route	Value
Oxide glass chemicals	In Vitro	Some positive data exist, but the data are not



		sufficient for classification
Quartz	In Vitro	Some positive data exist, but the data are not sufficient for classification
Quartz	In vivo	Some positive data exist, but the data are not sufficient for classification
Silicon dioxide	In Vitro	Not mutagenic

### Carcinogenicity

Name	Route	Species	Value
Oxide glass chemicals	Inhalation	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Kaolin	Inhalation	Multiple animal species	Not carcinogenic
Quartz	Inhalation	Human and animal	Carcinogenic.
Silicon dioxide	Not specified.	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
Calcium Carbonate	Ingestion	Not classified for development	Rat	NOAEL 625 mg/kg/day	prematuring & 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

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Calcium Carbonate	Inhalation	respiratory system	Not classified	Rat	NOAEL 0,812 mg/l	90 minutes

#### Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Oxide glass chemicals	Inhalation	respiratory system	Not classified	Human	NOAEL not available	occupational exposure
Kaolin	Inhalation	pneumoconiosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL NA	occupational exposure
Kaolin	Inhalation	pulmonary fibrosis	Not classified	Rat	NOAEL Not available	
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 0,07 mg/l	2 weeks
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	Inhalation	liver	Not classified	Rat	NOAEL 0,7 mg/l	2 weeks
Calcium Carbonate	Inhalation	respiratory system	Not classified	Human	NOAEL Not available	occupational exposure

Quartz	Inhalation	silicosis	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
Mica-group minerals	Inhalation	pneumoconiosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure

### Aspiration Hazard

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

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

#### Acute aquatic hazard:

GHS Acute 3: Harmful to aquatic life.

#### Chronic aquatic hazard:

GHS Chronic 2: Toxic to aquatic life with long lasting effects.

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
Kaolin	1332-58-7	Water flea	Experimental	48 hours	LC50	>1 100 mg/l
Oxide glass chemicals	65997-17-3	Green algae	Experimental	72 hours	EC50	>1 000 mg/l
Oxide glass chemicals	65997-17-3	Water flea	Experimental	72 hours	EC50	>1 000 mg/l
Oxide glass chemicals	65997-17-3	Zebra Fish	Experimental	96 hours	LC50	>1 000 mg/l
Oxide glass chemicals	65997-17-3	Green algae	Experimental	72 hours	NOEC	>=1 000 mg/l
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	9003-29-6	Activated sludge	Experimental	N/A	IC50	>25 mg/l
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	9003-29-6	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Silicon dioxide	7631-86-9	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Polyisobutylene	9003-27-4	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Aluminatesilicate	1327-36-2	Green algae	Endpoint not reached	72 hours	EC50	>100 mg/l
Aluminatesilicate	1327-36-2	Water flea	Estimated	48 hours	EC50	>100 mg/l
Aluminatesilicate	1327-36-2	Zebra Fish	Estimated	96 hours	LC50	>100 mg/l

Aluminatesilicate	1327-36-2	Green algae	Estimated	72 hours	EC10	41 mg/l
Aluminatesilicate	1327-36-2	Water flea	Estimated	21 days	NOEC	100 mg/l
Calcium Carbonate	1317-65-3	Green algae	Estimated	72 hours	EC50	>100 mg/l
Calcium Carbonate	1317-65-3	Rainbow trout	Estimated	96 hours	LC50	>100 mg/l
Calcium Carbonate	1317-65-3	Water flea	Estimated	48 hours	EC50	>100 mg/l
Calcium Carbonate	1317-65-3	Green algae	Estimated	72 hours	EC10	>100 mg/l
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Fathead minnow	Experimental	96 hours	LC50	0,36 mg/l
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Water flea	Experimental	48 hours	EC50	0,16 mg/l
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Water flea	Experimental	21 days	NOEC	0,0071 mg/l
ALUMINIUM DISTEARATE	300-92-5	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Mica-group minerals	12001-26-2	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Quartz	14808-60-7	Green algae	Estimated	72 hours	EC50	440 mg/l
Quartz	14808-60-7	Water flea	Estimated	48 hours	EC50	7 600 mg/l
Quartz	14808-60-7	Zebra Fish	Estimated	96 hours	LC50	5 000 mg/l
Quartz	14808-60-7	Green algae	Estimated	72 hours	NOEC	60 mg/l

## 12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Kaolin	1332-58-7	Data not available or insufficient	N/A	N/A	N/A	N/A
Oxide glass chemicals	65997-17-3	Data not available or insufficient	N/A	N/A	N/A	N/A
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	9003-29-6	Data not available or insufficient	N/A	N/A	N/A	N/A
Silicon dioxide	7631-86-9	Data not available or insufficient	N/A	N/A	N/A	N/A
Polyisobutylene	9003-27-4	Estimated Biodegradation	28 days	CO2 evolution	2.8 %CO2 evolution/THCO2 evolution	Modeled
Aluminatesilicate	1327-36-2	Data not available or insufficient	N/A	N/A	N/A	N/A
Calcium Carbonate	1317-65-3	Data not available or insufficient	N/A	N/A	N/A	N/A
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Experimental Biodegradation	14 days	BOD	1.9 %BOD/ThOD	OECD 301C - MITI test (I)
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Experimental Biodegradation	35 days	CO2 evolution	1 %CO2 evolution/THCO2 evolution (does not pass 10-day window)	similar to OECD 301B
ALUMINIUM DISTEARATE	300-92-5	Data not available or insufficient	N/A	N/A	N/A	N/A
Mica-group minerals	12001-26-2	Data not available or insufficient	N/A	N/A	N/A	N/A
Quartz	14808-60-7	Data not available or insufficient	N/A	N/A	N/A	N/A

## 12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
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Kaolin	1332-58-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Oxide glass chemicals	65997-17-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Butene, homopolymer (products derived from either/or but-1-ene/but-2-ene)	9003-29-6	Estimated Bioconcentration		Bioaccumulation factor	<=78	
Silicon dioxide	7631-86-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Polyisobutylene	9003-27-4	Estimated Bioconcentration		Bioaccumulation factor	8.8	
Aluminatesilicate	1327-36-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Calcium Carbonate	1317-65-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Experimental BCF - Fish	42 days	Bioaccumulation factor	11	
6,6'-Di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	Experimental Bioconcentration		Log Kow	5.24	OECD 117 log Kow HPLC method
ALUMINIUM DISTEARATE	300-92-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Mica-group minerals	12001-26-2	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Quartz	14808-60-7	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

Product must only be disposed of by an authorized/permitted waste disposal contractor or incinerated in an industrial or commercial facility in the presence of a combustible material.

### SECTION 14: Transport Information

Compliance is required to South African Transport Information Road Traffic Act & Regulations and Railroad regulations, IATA Standards for airfreight and Maritime standards for ocean freight.

### SECTION 15: Regulatory information

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

##### Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. This product

complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

## **SECTION 16: Other information**

### **Revision information:**

Section 2: Hazard - Other information was modified.  
Label: GHS Classification information was modified.  
Label: GHS Precautionary - Prevention information was modified.  
Label: GHS Precautionary - Response information was modified.  
Label: Signal Word information was modified.  
Section 2: Ingredient table information was modified.  
Section 04: First Aid - Symptoms and Effects (GHS) information was added.  
Section 04: Information on toxicological effects information was deleted.  
Section 5: Fire - Advice for fire fighters information information was modified.  
Section 5: Fire - Extinguishing media information information was modified.  
Section 8: Occupational exposure limit table information was modified.  
Section 9: All Properties information was added.  
Section 9: All Properties information was deleted.  
Section 09: Color information was added.  
Section 09: Odor information was added.  
Sections 3 and 9: Odour, colour, grade information information was deleted.  
Section 09: Percent Volatile information was added.  
Section 9: Property description for optional properties information was deleted.  
Section 09: Vapor Density Value information was added.  
Section 9: Vapour density value information was deleted.  
Section 9: Viscosity information information was deleted.  
Section 09: Viscosity information was added.  
Section 09: VOC Less H2O & Exempt Solvents information was added.  
Section 09: Volatile Organic Compounds information was added.  
Section 11: Acute Toxicity table information was modified.  
Section 11: Carcinogenicity Table information was modified.  
Section 11: Germ Cell Mutagenicity Table information was modified.  
Section 11: Health Effects - Skin information information was modified.  
Section 11: Serious Eye Damage/Irritation Table information was modified.  
Section 11: Skin Corrosion/Irritation Table information was modified.  
Section 11: Skin Sensitization Table information was modified.  
Section 11: Target Organs - Repeated Table information was modified.  
Section 12: Component ecotoxicity information information was modified.  
Section 12: Persistence and Degradability information information was modified.  
Section 12: Biocumulative potential information information was modified.  
Section 15: Regulations - Inventories information was modified.  
Section 16: UK disclaimer information was deleted.

**DISCLAIMER:** The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

**3M South Africa SDSs are available at [www.3m.co.za](http://www.3m.co.za)**