

# **Safety Data Sheet**

 $\odot$  2020, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Document group:	16-2874-2	Version number:	3.00
Issue Date:	22/11/2020	Supersedes date:	16/11/2017

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> CoJet Sand (68411)

#### **Product Identification Numbers** 70-2011-0054-5

### 1.2. Recommended use and restrictions on use

**Recommended use** Dental Product, Restorative repair

**Restrictions on use** For use by dental professionals 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**

Not classified as hazardous in accordance with the relevant criteria of the HSNO Act 1996, the Hazardous Substances (Classification) Notice 2017 and Hazardous Substances (Minimum Degrees of Hazard) Notice 2017. Refer to Section 14 of this Safety Data Sheet for product Dangerous Goods Classification.

### 2.1. Classification of the substance or mixture

GHS	HSNO
Not classified as hazardous.	Not classified as hazardous.

### 2.2. Label elements

### SIGNAL WORD

Not applicable.

### Symbols:

Not applicable.

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

Ingredient	CAS Nbr	% by Weight
Aluminium oxide	1344-28-1	> 97
Synthetic Amorphous Silica, Fumed, Crystalline Free	112945-52-5	< 5

# **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

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

**5.4. Hazchem code:** Not applicable.

# **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. Observe precautions from other sections.

### **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. Use wet sweeping compound or water to avoid dusting. Sweep up. 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**

Refer to Section 15 - Controls for more information

### 7.1. Precautions for safe handling

Avoid prolonged or repeated skin contact. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

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

No special storage requirements.

#### 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	CAS Nbr	Agency	Limit type	Additional comments
Aluminium oxide	1344-28-1	New Zealand	TWA(8 hours):10 mg/m3	
		WES		
Aluminum, insoluble compounds	1344-28-1	ACGIH	TWA(respirable fraction):1	A4: Not class. as human
			mg/m3	carcinogin
ACCIII - American Conference of Covern	montal Industrial	Unaiomiata	-	-

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 in a well-ventilated area.

### 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.

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

#### Skin/hand protection

See Section 7.1 for additional information on skin protection.

### **Respiratory protection**

None required.

# **SECTION 9: Physical and chemical properties**

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

Physical state       Solid.         Specific Physical Form:       Powder         Colour       Light Grey         Odour threshold       No data available.         pH       Not applicable.         Melting point/Freezing point       1,950 °C         Boiling point/Initial boiling point/Boiling range       Not applicable.         Flash point       Not applicable.         Flash point       Not applicable.         Flash point       Not applicable.         Flammability (solid, gas)       Not classified         Flammability (solid, gas)       Not classified         Flammable Limits(LEL)       Not applicable.         Flammable Limits(UEL)       Not applicable.         Vapour pressure       Not applicable.         Vapour pressure       Not applicable.         Vapor Density and/or Relative Vapor Density       Not applicable.         Relative density       3.96 [Ref Std/WATER=1]         Water solubility       Nil         Solubility- non-water       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Vistie organic compounds (VOC)	mior mation on basic physical and chemical properties			
Colour       Light Grey         Odour       Odourless         Odour threshold       No data available.         PH       Not applicable.         Melting point/Freezing point       1,950 °C         Boiling point/Initial boiling point/Boiling range       Not applicable.         Flash point       No flash point         Evaporation rate       Not applicable.         Flammability (solid, gas)       Not classified         Flammabile Limits(LEL)       Not applicable.         Flammable Limits(UEL)       Not applicable.         Vapour pressure       Not applicable.         Vapour pressure       Not applicable.         Vapor Density and/or Relative Vapor Density       Not applicable.         Density       No data available.         Relative density       3.96 [Ref Std:WATER=1]         Water solubility       Nil         Solubility- non-water       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Visticosity/Kinematic Viscosity       No data available.         Percent volatile       No data available.	Physical state	Solid.		
Odour         Odourless           Odour threshold         No data available.           pH         Not applicable.           Melting point/Freezing point         1.950 °C           Boiling point/Initial boiling point/Boiling range         Not applicable.           Flash point         No flash point           Evaporation rate         Not applicable.           Flammability (solid, gas)         Not classified           Flammability (solid, gas)         Not classified           Flammable Limits(LEL)         Not applicable.           Flammable Limits(UEL)         Not applicable.           Vapour pressure         Not applicable.           Vapor Density and/or Relative Vapor Density         Not applicable.           Relative density         3.96 [Ref Std:WATER=1]           Water solubility         Nil           Solubility- non-water         No data available.           Partition coefficient: n-octanol/water         No data available.           Autoignition temperature         No data available.           Viscosity/Kinematic Viscosity         No data available.           Viscosity/Kinematic Viscosity         No data available.           Volatile organic compounds (VOC)         No data available.           Percent volatile         No data available. <th>Specific Physical Form:</th> <th>Powder</th>	Specific Physical Form:	Powder		
Odour         Odourless           Odour threshold         No data available.           pH         Not applicable.           Melting point/Freezing point         1.950 °C           Boiling point/Initial boiling point/Boiling range         Not applicable.           Flash point         No flash point           Evaporation rate         Not applicable.           Flammability (solid, gas)         Not classified           Flammability (solid, gas)         Not classified           Flammable Limits(LEL)         Not applicable.           Flammable Limits(UEL)         Not applicable.           Vapour pressure         Not applicable.           Vapor Density and/or Relative Vapor Density         Not applicable.           Relative density         3.96 [Ref Std:WATER=1]           Water solubility         Nil           Solubility- non-water         No data available.           Partition coefficient: n-octanol/water         No data available.           Autoignition temperature         No data available.           Viscosity/Kinematic Viscosity         No data available.           Viscosity/Kinematic Viscosity         No data available.           Volatile organic compounds (VOC)         No data available.           Percent volatile         No data available. <th></th> <th></th>				
Odour threshold         No data available.           pH         Not applicable.           Melting point/Freezing point         1,950 °C           Boiling point/Initial boiling point/Boiling range         Not applicable.           Flash point         No flash point           Evaporation rate         Not applicable.           Flammability (solid, gas)         Not classified           Flammable Limits(LEL)         Not applicable.           Flammable Limits(UEL)         Not applicable.           Vapor pressure         Not applicable.           Vapor Density and/or Relative Vapor Density         Not data available.           Relative density         3.96 [Ref Std:WATER=1]           Water solubility         Nil           Solubility- non-water         No data available.           Partition coefficient: n-octanol/water         No data available.           Autoignition temperature         No data available.           Viscosity/Kinematic Viscosity         No data available.           Viscosity/Kinematic Viscosity         No data available.           Volatile organic compounds (VOC)         No data available.           Percent volatile         No data available.	Colour	Light Grey		
pH       Not applicable.         Melting point/Freezing point       1,950 °C         Boiling point/Initial boiling point/Boiling range       Not applicable.         Flash point       No flash point         Evaporation rate       Not applicable.         Flammability (solid, gas)       Not classified         Flammable Limits(LEL)       Not applicable.         Flammable Limits(UEL)       Not applicable.         Vapour pressure       Not applicable.         Vapor Density and/or Relative Vapor Density       Not applicable.         Density       No data available.         Relative density       3.96 [Ref Std:WATER=1]         Water solubility       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Odour			
Melting point/Freezing point       1,950 °C         Boiling point/Initial boiling point/Boiling range       Not applicable.         Flash point       No flash point         Evaporation rate       Not applicable.         Flammability (solid, gas)       Not classified         Flammable Limits(LEL)       Not applicable.         Flammable Limits(UEL)       Not applicable.         Vapour pressure       Not applicable.         Vapor Density and/or Relative Vapor Density       Not applicable.         Density       No data available.         Relative density       3.96 [Ref Std:WATER=1]         Water solubility       Noi data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Odour threshold	No data available.		
Boiling point/Initial boiling point/Boiling range       Not applicable.         Flash point       No flash point         Evaporation rate       Not applicable.         Flammability (solid, gas)       Not classified         Flammable Limits(LEL)       Not applicable.         Flammable Limits(UEL)       Not applicable.         Vapour pressure       Not applicable.         Vapor Density and/or Relative Vapor Density       Not applicable.         Density       No data available.         Relative density       3.96 [Ref Std:WATER=1]         Water solubility       Nil         Solubility- non-water       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Viscosity/Kinematic Viscosity       No data available.         Percent volatile       No data available.	рН	Not applicable.		
Flash point       No flash point         Evaporation rate       Not applicable.         Flammability (solid, gas)       Not classified         Flammable Limits(LEL)       Not applicable.         Flammable Limits(UEL)       Not applicable.         Vapour pressure       Not applicable.         Vapor Density and/or Relative Vapor Density       Not applicable.         Density       No data available.         Relative density       3.96 [Ref Std:WATER=1]         Water solubility       Nil         Solubility- non-water       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Melting point/Freezing point	1,950 °C		
Evaporation rateNot applicable.Flammability (solid, gas)Not classifiedFlammable Limits(LEL)Not applicable.Flammable Limits(UEL)Not applicable.Vapour pressureNot applicable.Vapor Density and/or Relative Vapor DensityNot applicable.DensityNo data available.Relative density3.96 [Ref Std: WATER=1]Water solubilityNilSolubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Autoignition temperatureNo data available.Decomposition temperatureNo data available.Viscosity/Kinematic ViscosityNo data available.Volatile organic compounds (VOC)No data available.Percent volatileNo data available.	Boiling point/Initial boiling point/Boiling range	Not applicable.		
Flammability (solid, gas)       Not classified         Flammable Limits(LEL)       Not applicable.         Flammable Limits(UEL)       Not applicable.         Vapour pressure       Not applicable.         Vapor Density and/or Relative Vapor Density       Not applicable.         Density       Not applicable.         Relative density       3.96 [Ref Std:WATER=1]         Water solubility       Nil         Solubility- non-water       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Flash point	No flash point		
Flammable Limits(LEL)Not applicable.Flammable Limits(UEL)Not applicable.Vapour pressureNot applicable.Vapor Density and/or Relative Vapor DensityNot applicable.DensityNo data available.Relative density3.96 [Ref Std:WATER=1]Water solubilityNilSolubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Decomposition temperatureNo data available.Decomposition temperatureNo data available.Viscosity/Kinematic ViscosityNo data available.Volatile organic compounds (VOC)No data available.Percent volatileNo data available.	Evaporation rate	Not applicable.		
Flammable Limits(UEL)       Not applicable.         Vapour pressure       Not applicable.         Vapor Density and/or Relative Vapor Density       Not applicable.         Density       No data available.         Relative density       3.96 [Ref Std:WATER=1]         Water solubility       Nil         Solubility- non-water       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Flammability (solid, gas)	Not classified		
Vapour pressureNot applicable.Vapor Density and/or Relative Vapor DensityNot applicable.DensityNo data available.Relative density3.96 [Ref Std:WATER=1]Water solubilityNilSolubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Autoignition temperatureNo data available.Decomposition temperatureNo data available.Viscosity/Kinematic ViscosityNo data available.Volatile organic compounds (VOC)No data available.Percent volatileNo data available.	Flammable Limits(LEL)	Not applicable.		
Vapor Density and/or Relative Vapor DensityNot applicable.DensityNo data available.Relative density3.96 [Ref Std:WATER=1]Water solubilityNilSolubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Autoignition temperatureNo data available.Decomposition temperatureNo data available.Viscosity/Kinematic ViscosityNo data available.Volatile organic compounds (VOC)No data available.Percent volatileNo data available.	Flammable Limits(UEL)			
Density       No data available.         Relative density       3.96 [Ref Std:WATER=1]         Water solubility       Nil         Solubility- non-water       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Vapour pressure	Not applicable.		
Relative density       3.96 [Ref Std:WATER=1]         Water solubility       Nil         Solubility- non-water       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Vapor Density and/or Relative Vapor Density	Not applicable.		
Water solubility       Nil         Solubility- non-water       No data available.         Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Density	No data available.		
Solubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Autoignition temperatureNo data available.Decomposition temperatureNo data available.Viscosity/Kinematic ViscosityNo data available.Volatile organic compounds (VOC)No data available.Percent volatileNo data available.	Relative density	3.96 [ <i>Ref Std</i> :WATER=1]		
Partition coefficient: n-octanol/water       No data available.         Autoignition temperature       No data available.         Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Water solubility	Nil		
Autoignition temperature       No data available.         Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.		No data available.		
Decomposition temperature       No data available.         Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Partition coefficient: n-octanol/water	No data available.		
Viscosity/Kinematic Viscosity       No data available.         Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Autoignition temperature	No data available.		
Volatile organic compounds (VOC)       No data available.         Percent volatile       No data available.	Decomposition temperature	No data available.		
Percent volatile     No data available.	Viscosity/Kinematic Viscosity	No data available.		
	Volatile organic compounds (VOC)	No data available.		
	Percent volatile	No data available.		
No data dvallable.	VOC less H2O & exempt solvents	No data available.		

### Nanoparticles

This material contains nanoparticles.

# **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** None known.

**10.5 Incompatible materials** None known.

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

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

### Skin contact

Mechanical skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

### Eye contact

Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

### 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	Inhalation-		No data available; calculated ATE >12.5 mg/l

## **3MTM** CoJet Sand (68411)

	Dust/Mist(4 hr)		
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
Synthetic Amorphous Silica, Fumed, Crystalline Free	Dermal	Rabbit	LD50 > 5,000 mg/kg
Synthetic Amorphous Silica, Fumed, Crystalline Free	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Rat	LD50 > 5,110 mg/kg

ATE = acute toxicity estimate

### **Skin Corrosion/Irritation**

Name	Species	Value
Aluminium oxide	Rabbit	No significant irritation
Synthetic Amorphous Silica, Fumed, Crystalline Free	Rabbit	No significant irritation

### Serious Eye Damage/Irritation

Name	Species	Value
	~	
Aluminium oxide	Rabbit	No significant irritation
Synthetic Amorphous Silica, Fumed, Crystalline Free	Rabbit	No significant irritation

### Sensitisation:

### **Skin Sensitisation**

Name	Species	Value
Synthetic Amorphous Silica, Fumed, Crystalline Free	Human and animal	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
Synthetic Amorphous Silica, Fumed, Crystalline Free	In Vitro	Not mutagenic

### Carcinogenicity

Name	Route	Species	Value
Aluminium oxide	Inhalation	Rat	Not carcinogenic
Synthetic Amorphous Silica, Fumed, Crystalline Free	Not	Mouse	Some positive data exist, but the data are not
	specified.		sufficient for classification

### **Reproductive Toxicity**

### **Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Synthetic Amorphous Silica, Fumed,	Ingestion	Not classified for male reproduction	Rat	NOAEL 497	1 generation

### **ЗМ<sup>тм</sup> CoJet Sand (68411)**

Crystalline Free				mg/kg/day	
Synthetic Amorphous Silica, Fumed, Crystalline Free	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis

### Target Organ(s)

### **Specific Target Organ Toxicity - single exposure**

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure
Aluminium oxide	Inhalation	pneumoconiosis	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	Duration occupational exposure
Aluminium oxide	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure
Synthetic Amorphous Silica, Fumed, Crystalline Free	Inhalation	respiratory system   silicosis	Not classified	Human	NOAEL Not available	occupational exposure

### Specific Target Organ Toxicity - repeated 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

No product test data available.

Material	CAS Number	Organism	Туре	Exposure	Test endpoint	Test result
Aluminium	1344-28-1	Fish	Experimental	96 hours	LC50	>100 mg/l
oxide						
Aluminium	1344-28-1	Green Algae	Experimental	72 hours	EC50	>100 mg/l
oxide						
Aluminium	1344-28-1	Water flea	Experimental	48 hours	LC50	>100 mg/l
oxide						
Aluminium	1344-28-1	Green Algae	Experimental	72 hours	NOEC	>100 mg/l
oxide						
Synthetic	112945-52-5	Green Algae	Experimental	72 hours	EC50	>100 mg/l
Amorphous						
Silica, Fumed,						
Crystalline						
Free						
Synthetic	112945-52-5	Water flea	Experimental	24 hours	EC50	>100 mg/l
Amorphous						
Silica, Fumed,						

### **ЗМ<sup>тм</sup> CoJet Sand (68411)**

Crystalline Free						
Synthetic Amorphous Silica, Fumed, Crystalline Free	112945-52-5	Zebra Fish	Experimental	96 hours	LC50	>100 mg/l
Synthetic Amorphous Silica, Fumed, Crystalline Free	112945-52-5	Green Algae	Experimental	72 hours	NOEC	60 mg/l

### **12.2.** Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Aluminium	1344-28-1	Data not			N/A	
oxide		availbl-				
		insufficient				
Synthetic	112945-52-5	Data not			N/A	
Amorphous		availbl-				
Silica, Fumed,		insufficient				
Crystalline						
Free						

### **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
oxide		available or				
		insufficient for				
		classification				
Synthetic	112945-52-5	Data not	N/A	N/A	N/A	N/A
Amorphous		available or				
Silica, Fumed,		insufficient for				
Crystalline		classification				
Free						

### 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.

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. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

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.: 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**

HSNO Approval numberNot applicableGroup standard nameNot applicableHSNO Hazard classificationRefer 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 (Hazardous Substances) Regulations 2017

Certified handler	Not required
Location Compliance Certificate	Not required
Hazardous atmosphere zone	Not required
Fire extinguishers	Not required
Emergency response plan	Not required
Secondary containment	Not required
Tracking	Not required
Warning signage	Not required

# **SECTION 16: Other information**

### **Revision information:**

Complete document review.

**3M<sup>TM</sup>** CoJet Sand (68411)

Document group:	16-2874-2	Version number:	3.00
Issue Date:	22/11/2020	Supersedes date:	16/11/2017

### Key to abbreviations and acronyms

**GHS** means the Globally Harmonised System of Classification and Labelling of Chemicals, 5th revised edition 2013 **HSNO** means Hazardous Substances and New Organisms Act 1996

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date of issue. TO THE EXTENT PERMITTED BY LAW, 3M MAKES NO WARRANTY, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluates the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. 3M provides information in electronic form as a service to customers. Due to the remote possibility of electronic transfer may have resulted in errors, omissions or alterations in this information; 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M.

3M New Zealand SDS are available at 3M New Zealand Website: http://solutions.3mnz.co.nz