

Safety Data Sheet

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Document group:	10-4852-9	Version number:	3.01
Issue Date:	02/05/2023	Supersedes date:	06/12/2020

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 identif 3M Glass Bubbles, 7				
Product Identification WF-6009-0002-2	n Numbers WF-6009-0015-4	WF-6009-0016-2	WF-6009-0029-5	WF-6009-1396-7
1.2. Recommended	use and restrictions	on use		
Recommended use Lightweight Filler				
For Industrial or Pro	fessional use only			
1.3. Supplier's deta	ils			
Address: Telephone: E Mail: Website:			osedale 0632, Auckland	
1.4. Emergency tele	ephone 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 and the Hazardous Substances (Hazard Classification) Notice 2020. 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. Refer to Section 14 of this Safety Data Sheet for product Dangerous Goods Classification.

2.1. Classification of the substance or mixture

Not classified as hazardous.

2.2. Label elements SIGNAL WORD Not applicable.

Symbols:

Not applicable.

PRECAUTIONARY STATEMENTS

Prevention

P280E

Wear protective gloves.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight
Soda Lime Borosilicate Glass	65997-17-3	97 - 100
Synthetic Amorphous Crystalline-Free Silica	7631-86-9	0 - 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

No critical symptoms or effects. 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

Non-combustible. Use a fire fighting agent suitable for surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

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. 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

For industrial/occupational use only. Not for consumer sale or use. 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
Glass filaments	65997-17-3	New Zealand	TWA(Respirable fibers)(8	
		WES	hours):1 f/mL;TWA(as	
			respirable dust)(8 hours):1	
			f/mL;TWA(as inhalable dust)(8	
			hours):5 mg/m3	
Soda Lime Borosilicate Glass	65997-17-3	Manufacturer	TWA(as non-fibrous,	
		determined	respirable)(8 hours):3	
			mg/m3;TWA(as non-fibrous,	
			inhalable fraction)(8 hours):10	
			mg/m3	
ACGIH : American Conference of Govern	mental Industrial	Hygienists	0	
AIHA : American Industrial Hygiene Asso	ociation			

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/m³: milligrams per cubic metre

CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

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

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

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 particulates.

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

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.			
Specific Physical Form:	Low density fine powder (< 100 microns)			
Colour	White			
Odour	Odourless			
Odour threshold	Not applicable.			
рН	No data available.			
Melting point/Freezing point	No data available.			
Boiling point/Initial boiling point/Boiling range	Not applicable.			
Flash point	Not applicable.			
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	0.1 - 0.6 g/cm3			
Relative density	0.1 - 0.6 [<i>Ref Std</i> :WATER=1]			
Water solubility	Negligible			
Solubility- non-water	Not applicable.			
Partition coefficient: n-octanol/water	Not applicable.			
Autoignition temperature	Not applicable.			
Decomposition temperature	Not applicable.			
Viscosity/Kinematic Viscosity	Not applicable.			

Volatile organic compounds (VOC)	Not applicable.
Percent volatile	< 0.5 % weight
VOC less H2O & exempt solvents	Not applicable.
Molecular weight	No data available.
Softening point	>=600 °C

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

Oxides of sulphur.

Condition If Breakage Occurs

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

May be harmful if swallowed.

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
Soda Lime Borosilicate Glass	Dermal		LD50 estimated to be > 5,000 mg/kg
Soda Lime Borosilicate Glass	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
Synthetic Amorphous Crystalline-Free Silica	Dermal	Rabbit	LD50 > 5,000 mg/kg
Synthetic Amorphous Crystalline-Free Silica	Inhalation-	Rat	LC50 > 0.691 mg/l
	Dust/Mist		
	(4 hours)		
Synthetic Amorphous Crystalline-Free Silica	Ingestion	Rat	LD50 > 5,110 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Soda Lime Borosilicate Glass	Professio nal	No significant irritation
	judgemen	
	t	
Synthetic Amorphous Crystalline-Free Silica	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Soda Lime Borosilicate Glass	Professio nal judgemen t	No significant irritation
Synthetic Amorphous Crystalline-Free Silica	Rabbit	No significant irritation

Sensitisation:

Skin Sensitisation

Name	Species	Value
Synthetic Amorphous Crystalline-Free Silica	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
Soda Lime Borosilicate Glass	In Vitro	Some positive data exist, but the data are not
		sufficient for classification
Synthetic Amorphous Crystalline-Free Silica	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Soda Lime Borosilicate Glass	Inhalation	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Synthetic Amorphous Crystalline-Free Silica	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 Crystalline-Free Silica	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Synthetic Amorphous Crystalline-Free Silica	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Synthetic Amorphous Crystalline-Free Silica	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.

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Soda Lime Borosilicate Glass	Inhalation	respiratory system	Not classified	Human	NOAEL not available	occupational exposure
Synthetic Amorphous Crystalline-Free Silica	Inhalation	respiratory system silicosis	Not classified	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

No product test data available.

Material	CAS Number	Organism	Туре	Exposure	Test endpoint	Test result
Soda Lime	65997-17-3	Green algae	Experimental	72 hours	EC50	>1,000 mg/l
Borosilicate		-	_			_
Glass						
Soda Lime	65997-17-3	Water flea	Experimental	72 hours	EC50	>1,000 mg/l
Borosilicate			_			_
Glass						
Soda Lime	65997-17-3	Zebra Fish	Experimental	96 hours	LC50	>1,000 mg/l
Borosilicate			_			_
Glass						
Soda Lime	65997-17-3	Green algae	Experimental	72 hours	NOEC	>=1,000 mg/l

Borosilicate Glass					
Synthetic Amorphous Crystalline- Free Silica	7631-86-9	Data not available or insufficient for classification	N/A	N/A	N/A

12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Soda Lime Borosilicate	65997-17-3	Data not availbl-	N/A	N/A	N/A	N/A
Glass		insufficient				
Synthetic Amorphous Crystalline- Free Silica	7631-86-9	Data not availbl- insufficient	N/A	N/A	N/A	N/A

12.3 : Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Soda Lime	65997-17-3	Data not	N/A	N/A	N/A	N/A
Borosilicate		available or				
Glass		insufficient for				
		classification				
Synthetic	7631-86-9	Data not	N/A	N/A	N/A	N/A
Amorphous		available or				
Crystalline-		insufficient for				
Free Silica		classification				

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.

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. This product is an article as defined by HSNO regulations, and is exempt from NZIoC listing requirements.

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

Certified handler	Not required
Location Compliance Certificate	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.

Document group:	10-4852-9	Version number:	3.01
Issue Date:	02/05/2023	Supersedes date:	06/12/2020

Key to abbreviations and acronyms

GHS refers to the Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition of 2017

HSNO means Hazardous Substances and New Organisms Act 1996

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