SAFETY DATA SHEET

Version	Revision Date:	SDS Number:	Date of last issue: 25.08.2020
1.2	07.05.2021	100000012929	Date of first issue: 05.08.2020

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : FIRESOUND WHITE
Product code : 100000012929

Manufacturer or supplier's details

Company : H.B. Fuller Company Australia Pty. Ltd.

Address : 16-22 Red Gum Drive Dandenong South, VIC 3175

Telephone : +611800423855

Emergency telephone number : 1800 033 111(AU) 0800 734 607(NZ)

Recommended use of the chemical and restrictions on use

Recommended use : Water based adhesive

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
quartz (SiO2)	14808-60-7	>= 30 -< 60
Glass, oxide, chemicals	65997-17-3	>= 10 -< 30
aluminium hydroxide (Aerosol)	21645-51-2	>= 10 -< 30

propane-1,2-diol	57-55-6	< 10

SECTION 4. FIRST AID MEASURES

General advice	:	Show this safety data sheet to the doctor in attendance.
If inhaled	:	Move to fresh air. If symptoms persist, call a physician.
In case of skin contact	:	Wash off with soap and water.
In case of eye contact	:	Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
If swallowed	:	Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.
Most important symptoms and effects, both acute and delayed	:	None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	none
Specific hazards during firefighting	:	Cool closed containers exposed to fire with water spray.
Specific extinguishing methods	:	This product is an aqueous mixture that will not burn. Dried product film will burn in a fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	No special environmental precautions required. Prevent product from entering drains.

Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	No special protective measures against fire required.
Advice on safe handling	:	No special precautions are needed in handling this material.
Conditions for safe storage	:	Keep container closed when not in use. Keep in a dry, cool place.
Materials to avoid	:	Do not freeze. No special restrictions on storage with other products.
Recommended storage temperature	:	>= 4 °C
Further information on storage stability	:	Do not freeze. Stable under normal conditions. The pressure in sealed containers can increase under the influence of heat.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
quartz (SiO2)	14808-60-7	TWA (Respirable dust)	0.05 mg/m3	AU OEL
	Further information: Category 1A (Carc. 1A) Known to have carcinogenic potential for humans			
		TWA (Respirable particulate matter)	0.025 mg/m3	ACGIH
Glass, oxide, chemicals	65997-17-3	TWA	0.5 fibres per millilitre	AU OEL
	Further information: Exposure standard is under review.			
		TWA (inhalable dust)	2 mg/m3	AU OEL
	Further information: Where almost all the airborne material is fibrous MMVF, an inhalable dust exposure standard of 2 mg/m3 (8 hour TWA) must also be applied to minimise mechanical irritation			

	from largely non-respirable fibre. This inhalable standard is not to take precedence over the respirable fibre standard, where applicable. For those applications where MMVF is combined with other material such that the proportion of respirable fibres is extremely low or is difficult to measure because of the larger portion of non-fibrous MMVF material, it is appropriate to apply the exposure standard for nuisance dusts of 10 mg/m3, measured as inhalable dust (8 hour TWA)., Category 2 (Carc. 2) Suspected human carcinogen, As described in IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 81, Man-Made Vitreous Fibres, pp. 45-54, 2002, IARCPress, Lyon, France3, MMVF with random orientation, alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content greater than 18% by weight., Exempted are: - Any MMVF which have been tested according to the test protocol Methods for the Determination of the Hazardous Properties for Human Health of Man Made Mineral Fibres April 1999 and Note Q in EC Regulation No. 1272/2008 page 353/335 and found to comply with these tests. - Any MMVF that meet the requirements of Note Q in EC Regulation No. 1272/2008 page 353/335 are exempted from mandatory classification in the European Union as a carcinogen under the Globally Harmonized System for Classification and Labelling of Chemicals (GHS). Note IARC has classified mineral wools (glass wool, rock wool (stone wool), slag wool and continuous glass filament) as IARC Category 3: not classifiable as to carcinogenicity in humans. - Any MMVF that meet the requirements of Note R in Regulation EC No. 1272/2008 page 353/335 are exempted from mandatory classification as a carcinogen under the GHS in the European Union			
		TWA	1 fibres per cubic centimeter	ACGIH
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
		TWA	1 fibres per cubic centimeter	ACGIH
		TWA (fibres)	1 fibres per cubic centimeter	ACGIH
		TWA (fibres)	1 fibres per cubic centimeter	ACGIH
aluminium hydroxide (Aerosol)	21645-51-2	TWA (Respirable particulate matter)	1 mg/m3	ACGIH
		TWA (Respirable particulate matter)	1 mg/m3 (Aluminium)	ACGIH

propane-1,2-diol	57-55-6	TWA (particulate)	10 mg/m3	AU OEL
		TWA (Total (vapour and particles))	150 ppm 474 mg/m3	AU OEL
During normal handling of the product, this substance is encapsulated within the product and will not present a cancer exposure risk.				
quartz (SiO2)	14808-60-7	TWA (Respirable dust)	0.05 mg/m3	AU OEL
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	Further information: Where almost all the airborne material is fibrous MMVF, an inhalable dust exposure standard of 2 mg/m3 (8 hour TWA) must also be applied to minimise mechanical irritation from largely non-respirable fibre. This inhalable standard is not to take precedence over the respirable fibre standard, where applicable. For those applications where MMVF is combined with other material such that the proportion of respirable fibres is extremely low or is difficult to measure because of the larger portion of non-fibrous MMVF material, it is appropriate to apply the exposure standard for nuisance dusts of 10 mg/m3, measured as inhalable dust (8 hour TWA)., Category 2 (Carc. 2) Suspected human carcinogen, As described in IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 81, Man-Made Vitreous Fibres, pp. 45-54, 2002, IARCPress, Lyon, France3, MMVF with random orientation, alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content greater than 18% by weight., Exempted are: - Any MMVF which have been tested according to the test protocol Methods for the Determination of the Hazardous Properties for Human Health of Man Made Mineral Fibres April 1999 and Note Q in EC Regulation No. 1272/2008 page 353/335 and found to comply with these tests. - Any MMVF that meet the requirements of Note Q in EC Regulation No. 1272/2008 page 353/335 are exempted from mandatory classification in the European Union as a carcinogen under the Globally Harmonized System for Classification and Labelling of Chemicals (GHS). Note IARC has classified mineral wools (glass wool, rock wool (stone wool), slag wool and continuous glass filament) as IARC Category 3: not classifiable as to carcinogenicity in humans.				

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		TWA (fibres)	1 fibres per cubic centimeter	ACGIH
		TWA (fibres)	1 fibres per cubic centimeter	ACGIH
aluminium hydroxide (Aerosol)	21645-51-2	TWA (Respirable particulate matter)	1 mg/m3	ACGIH
		TWA (Respirable particulate matter)	1 mg/m3 (Aluminium)	ACGIH
propane-1,2-diol	57-55-6	TWA (particulate)	10 mg/m3	AU OEL
		TWA (Total (vapour and particles))	150 ppm 474 mg/m3	AU OEL

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.
In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection
Material : Nitrile rubber

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Protective measures : No special protective equipment required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour	:	white
Odour	:	Neutral
Odour Threshold	:	No data available
Melting point/freezing point	:	0 °C
Boiling point/boiling range	:	100 °C
Evaporation rate	:	is not determined
Flammability (solid, gas)	:	Not classified as a flammability hazard
Upper explosion limit / Upper flammability limit	:	Upper flammability limit is not determined
Lower explosion limit / Lower flammability limit	:	Lower flammability limit is not determined
Vapour pressure	:	is not determined
Relative vapour density	:	is not determined
Density	:	1.53 g/cm3
Solubility(ies) Water solubility	: :	 dispersible
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	is not determined
VOC, less water, in g/l	:	31
Volatile organic compounds	:	Method: SCAQMD R1168 Procedure B ASTM D2369

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	Hazardous polymerisation does not occur.

Hazardous decomposition products : Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation

Product:

Remarks : No data available

Serious eye damage/eye irritation

Product:

Remarks : No data available

Chronic toxicity

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: No data available

Carcinogenicity

Product:

Remarks : No data available

Reproductive toxicity

Product:

Effects on fertility : Remarks: No data available

STOT - single exposure

Product:

Remarks : No data available

STOT - repeated exposure

Product:

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

propane-1,2-diol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 710 mg/l
Exposure time: 96 h
Test Type: static test

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : To the best of our knowledge, this product does not meet the definition of hazardous waste. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.
The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG
Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons	:	No poison schedule number allocated
Prohibition/Licensing Requirements	:	quartz (SiO2) Refer to model WHS Act and Regulations for prohibition, authorisation and restricted use.

The components of this product are reported in the following inventories:

TSCA	:	Product contains substance(s) not listed on TSCA inventory.
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL.
REACH	:	Not in compliance with the inventory
AIIC	:	On the inventory, or in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
ENCS	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory

IECSC	:	Not in compliance with the inventory
TCSI	:	Not in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

Revision Date	:	07.05.2021
Contact Point	:	Prepared by: Global Regulatory Department - phone: 1-651-236-5842 - email: msds.request@hbfuller.com
Date format	:	dd.mm.yyyy

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
AU OEL	:	Australia. Workplace Exposure Standards for Airborne Contaminants.
ACGIH / TWA	:	8-hour, time-weighted average
AU OEL / TWA	:	Exposure standard - time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evalua-

tion, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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