

SAFETY DATA SHEET

Version	Revision Date:	SDS Number:	Date of last issue: 15.06.2023
1.1	15.02.2024	100000025615	Date of first issue: 15.06.2023

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : FULAFLEX 650FC BLACK
Product code : 100000025615

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 : Sealant

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage/eye irritation : Category 2

Skin sensitisation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

SAFETY DATA SHEET

Version 1.1	Revision Date: 15.02.2024	SDS Number: 100000025615	Date of last issue: 15.06.2023 Date of first issue: 15.06.2023
----------------	------------------------------	-----------------------------	---

Precautionary statements : **Prevention:**
P261 Avoid breathing mist or vapours.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

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)
calcium carbonate	471-34-1	≥ 30 -< 60
trimethoxyvinylsilane	2768-02-7	≥ 1 -< 10
Fatty acids, C8-18 and C18-unsatd.	67701-05-7	< 10
N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)	123-26-2	< 10
methanol	67-56-1	< 1

SECTION 4. FIRST AID MEASURES

General advice : Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

SAFETY DATA SHEET

Version 1.1	Revision Date: 15.02.2024	SDS Number: 100000025615	Date of last issue: 15.06.2023 Date of first issue: 15.06.2023
----------------	------------------------------	-----------------------------	---

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 : May cause an allergic skin reaction.
Causes serious eye irritation.

Notes to physician : No further relevant information available.

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 fire-fighting : 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.

Special protective equipment for firefighters : No special protective measures against fire required.

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).

SAFETY DATA SHEET

Version	Revision Date:	SDS Number:	Date of last issue: 15.06.2023
1.1	15.02.2024	100000025615	Date of first issue: 15.06.2023

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.
- Further information on storage conditions : Keep container tightly sealed.
- Materials to avoid : Do not freeze.
No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
calcium carbonate	471-34-1	TWA	10 mg/m ³	AU OEL
	Further information: This value is for inhalable dust containing no asbestos and < 1% crystalline silica			
		TWA	10 mg/m ³ (Calcium carbonate)	AU OEL
methanol	67-56-1	STEL	250 ppm 328 mg/m ³	AU OEL
	Further information: Skin absorption			
		TWA	200 ppm 262 mg/m ³	AU OEL
	Further information: Skin absorption			
		TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible after	15 mg/l	ACGIH BEI

SAFETY DATA SHEET

Version 1.1	Revision Date: 15.02.2024	SDS Number: 100000025615	Date of last issue: 15.06.2023 Date of first issue: 15.06.2023
----------------	------------------------------	-----------------------------	---

				exposure ceases)		
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Engineering measures : Please take care on national and local requirements.

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 : black

Odour : characteristic

Odour Threshold : no data available

Melting point/freezing point : 0 °C

Boiling point/boiling range : 100 °C

Flash point : Not applicable

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

SAFETY DATA SHEET

Version 1.1	Revision Date: 15.02.2024	SDS Number: 100000025615	Date of last issue: 15.06.2023 Date of first issue: 15.06.2023
----------------	------------------------------	-----------------------------	---

Lower explosion limit / Lower flammability limit	:	Lower flammability limit is not determined
Vapour pressure	:	is not determined
Relative vapour density	:	is not determined
Density	:	1.46 g/cm ³
Solubility(ies) Water solubility	:	dispersible
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	is not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No further relevant information available.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	Hazardous polymerisation does not occur.
Conditions to avoid	:	No further relevant information available.
Incompatible materials	:	No further relevant information available.
Hazardous decomposition products	:	Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 Hours Test atmosphere: vapour Method: Calculation method

SAFETY DATA SHEET

Version 1.1	Revision Date: 15.02.2024	SDS Number: 100000025615	Date of last issue: 15.06.2023 Date of first issue: 15.06.2023
----------------	------------------------------	-----------------------------	---

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method

Components:

trimethoxyvinylsilane:

Acute oral toxicity : LD50 Oral (Rat): 7,120 mg/kg

Acute inhalation toxicity : LC50 (Rat): 2780 ppm
Exposure time: 4 Hours
Test atmosphere: vapour

Acute dermal toxicity : LD50: 3,540 mg/kg

Skin corrosion/irritation

Not classified due to lack of data.

Product:

Remarks : no data available

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks : no data available

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified due to lack of data.

Chronic toxicity

Germ cell mutagenicity

Not classified due to lack of data.

Product:

Genotoxicity in vitro : Remarks: no data available

Carcinogenicity

Not classified due to lack of data.

Product:

SAFETY DATA SHEET

Version	Revision Date:	SDS Number:	Date of last issue: 15.06.2023
1.1	15.02.2024	100000025615	Date of first issue: 15.06.2023

Remarks : no data available

Reproductive toxicity

Not classified due to lack of data.

Product:

Effects on fertility : Remarks: no data available

STOT - single exposure

Not classified due to lack of data.

Product:

Remarks : no data available

STOT - repeated exposure

Not classified due to lack of data.

Product:

Remarks : no data available

Aspiration toxicity

Not classified due to lack of data.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Components:

methanol:

Partition coefficient: n-octanol/water : log Pow: -0.77

Mobility in soil

Product:

Mobility : Medium: Soil
Remarks: Do not allow product to reach ground water, water bodies or sewage system.

SAFETY DATA SHEET

Version 1.1	Revision Date: 15.02.2024	SDS Number: 100000025615	Date of last issue: 15.06.2023 Date of first issue: 15.06.2023
----------------	------------------------------	-----------------------------	---

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.
Contaminated packaging	:	Recommended cleaning agent: Water, if necessary with cleaning agent.

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

Therapeutic Goods (Poisons Standard) Instrument : No poison schedule number allocated

Prohibition/Licensing Requirements : There is no applicable prohibition,

SAFETY DATA SHEET

Version 1.1	Revision Date: 15.02.2024	SDS Number: 100000025615	Date of last issue: 15.06.2023 Date of first issue: 15.06.2023
----------------	------------------------------	-----------------------------	---

authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

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

TCSI	: Not in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL.

ENCS	: Not in compliance with the inventory
ISHL	: 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
NZIoC	: On the inventory, or in compliance with the inventory
CHINV	: The formulation contains substances listed on the Swiss Inventory, Not in compliance with the inventory
REACH	: Not in compliance with the inventory
KKDIK	: Not in compliance with the inventory
TECI	: Not in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

SAFETY DATA SHEET

Version	Revision Date:	SDS Number:	Date of last issue: 15.06.2023
1.1	15.02.2024	100000025615	Date of first issue: 15.06.2023

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Contact Point : Prepared by: Global Regulatory Office - 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)
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)
AU OEL : Australia. Workplace Exposure Standards for Airborne Contaminants.

ACGIH / TWA : 8-hour, time-weighted average
ACGIH / STEL : Short-term exposure limit
AU OEL / TWA : Exposure standard - time weighted average
AU OEL / STEL : Exposure standard - short term exposure limit

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, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECL - Thailand Existing Chemicals Inventory; 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

SAFETY DATA SHEET

Version	Revision Date:	SDS Number:	Date of last issue: 15.06.2023
1.1	15.02.2024	100000025615	Date of first issue: 15.06.2023

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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