

GHS Safety Data Sheet

Commercial Product Name: fischer B3 Foam (MCCP)

Revision Date: 15.03.2023

Version: 1.2 /aus

fischer 
innovative solutions

Replaces version from: 29.05.2018

Print date: 15.03.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial Product Name fischer B3 Foam (MCCP)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Construction foam for mounting of window frames, and filling and sealing of gaps and cavities.

Recommended restrictions None under normal processing. Observe technical data sheet.

1.3 Details of the supplier of the safety data sheet

Company designation fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D-72178 Waldachtal
Telephone : +49(0)7443 12-0
FAX : +49(0)7443 12-4222
Email : info-sdb@fischer.de
Internet : www.fischer.de

Marketer

BLACKS FASTENERS LTD
34 Nga Mahi Road, Sockburn
Christchurch 8042 (postal code) New Zealand
Telephone: 0800 652 463
FAX: 0800 652 464
Email: sockburn@blacksfasteners.co.nz

1.4 Emergency telephone number

Emergency telephone number +49(0)6132-84463 (24h)
Our 24 hour contact within NZ is 0800 764 766 (0800 POISON)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification Flam. Aerosol 1; H222 H229 Acute Tox. 4; H332 Skin Irrit. 2; H315
Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 Lact.;
H362 STOT SE 3; H335 STOT RE 2; H373 Aquatic Chronic
4; H413

2.2 Label elements

Hazard pictogram



GHS02



GHS07



GHS08

Signal word

Danger

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Hazardous component(s) to be indicated on label	4,4'-methylenediphenyl diisocyanate, isomers and homologues, alkanes, C14-17, chloro, chlorinated paraffins, C14-17
H-statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335: May cause respiratory irritation. H351: Suspected of causing cancer . H362: May cause harm to breast-fed children. H373: May cause damage to organs through prolonged or repeated exposure . H413: May cause long lasting harmful effects to aquatic life.
P-statement(s)	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P211: Do not spray on an open flame or other ignition source. P251: Pressurized container: Do not pierce or burn, even after use. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405: Store locked up. P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F. P501: Dispose of contents/container to special waste treatment
Further information	Contains isocyanates. May produce an allergic reaction. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Keep out of the reach of children. Buildup of explosive mixtures possible without sufficient ventilation. Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma,

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eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

2.3 Other hazards

Health hazard

None known.

Particular information pertaining specific risk for human / environment

Contains isocyanates. See information supplied by the manufacturer. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Also after use, do not open with force or burn. Do not spray on a naked flame or any other incandescent material. Keep away from sources of ignition – No smoking. Keep away from children. None known.

Indication of danger

None known.

Hazard precautions

None known.

SECTION3:Composition/informationoningredients

Hazardous ingredients

Ingredient		Classification (EC) 1272/2008	Concentration
4,4'-methylenediphenyl diisocyanate, isomers and homologues	CAS No. : 9016-87-9	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 STOT RE 2; H373	25.0 – 50.0 %
alkanes, C14-17, chloro, chlorinated paraffins, C14-17	CAS No. : 85535-85-9	Lact.; H362 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	10.0 – 25.0 %
propane	CAS No. : 74-98-6	Flam. Gas 1; H220 Press. Gas; H280	2.5 – 10.0 %
dimethyl ether	CAS No. : 115-10-6	Flam. Gas 1; H220	2.5 – 10.0 %
isobutane	CAS No. : 75-28-5	Flam. Gas 1; H220 Compr. Gas; H280	2.5 – 10.0 %

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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	If symptoms persist, call a physician. Take off all contaminated clothing immediately. Remove/Take off immediately all contaminated clothing.
If inhaled	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If unconscious place in recovery position and seek medical advice.
In case of skin contact	Use mechanical handling equipment. IF ON SKIN: Gently wash with plenty of soap and water.
In case of eye contact	Use mechanical handling equipment. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If swallowed	If swallowed, seek medical advice immediately and show this container or label. Clean mouth with water and drink afterwards plenty of water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No data available

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention No data available

Special medical treatment No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂)
Dry powder
Foam
Water spray jet

Extinguishing media which must not be used for safety reasons High volume water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases Container may rupture on heating. Heating or fire can release toxic gas. May form explosive mixtures in air.

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5.3 Advice for firefighters

Special protective equipment for firefighting

In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.

Additional information on firefighting

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Keep containers and surroundings cool with water spray. Container may rupture on heating.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.
Keep away from sources of ignition – No smoking. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Environmental precautions

The product should not be allowed to enter drains, water courses or the soil. Prevent spreading over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Allow to solidify, use mechanical handling equipment. Ensure adequate ventilation.
Do not flush with water.

6.4 Reference to other sections

Reference to other sections

See chapter 8/13

6.5 Additional information

Other information

Treat recovered material as described in the section "Disposal considerations".
Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Handle and open container with care.
Provide sufficient air exchange and/or exhaust in work rooms. Vapours are heavier than air and may spread along floors.
BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

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Advice on protection against fire and explosion

Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any other incandescent material. Keep away from sources of ignition – No smoking.

In use, may form flammable/explosive vapour-air mixture.

Take measures to prevent the buildup of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements

Keep containers tightly closed in a cool, well-ventilated place. Container may rupture on heating.

Store in accordance with local regulations.

German storage class

LGK 2B (TRGS 510)

7.3 Specific end use(s)

Specific use(s)

installation foam . Further information: see technical data sheet.

SECTION8:Exposurecontrols/personalprotection

8.1 Control parameters

dimethyl ether

Australia

Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Source
400	760	500	950	39

Source : 39 – WORKPLACE EXPOSURE STANDARDS FOR AIRBORNE CONTAMINANTS 18.April 2013

Europe

Long-term exposure value/ mg/m3	Long-term exposure value/ ppm	Issuing date	Source
1 920	1 000	2000/39	24

Source : 24 – DIRECTIVE 2009/161/EU

8.2 Exposure controls

Respiratory protection
protection

In case of inadequate ventilation wear respiratory protection. Hand professional users (long contact) :Wear protective gloves.

Suitable material:

butyl-rubber, Chloroprene, Nitrile rubber

Unsuitable material:

PVC disposable gloves

Material thickness:

≤ 0.5 mm

Break through time:

> 120 min

Remarks:

Replace when worn.

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Reference substance: Request information on glove permeation properties from the glove supplier.. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

private users (short contact) :

Suitable material : attached disposable gloves Remarks

: Use gloves once only.

Eye protection Tightly fitting safety goggles

Skin and body protection Wear suitable protective equipment.

Note : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

General protective and hygiene measures Smoking, eating and drinking should be prohibited in the application area. Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately. Do not breathe vapors, mist or gas. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs. Use protective skin cream before handling the product.

No special environmental precautions required.

Information on environmental protection regulations

SECTION9:Physicalandchemicalproperties

9.1 Information on basic physical and chemical properties

Physical state	Aerosol
Form	aerosol
Colour	beige
Odour	characteristic
Odour threshold	not determined
pH	not applicable
Melting point [°C] / Freezing point [°C]	not applicable (aerosol)
Boiling point [°C]	not applicable (aerosol)
Evaporation rate [kg/(s*m ²)]	No data available Explosion
limits [Vol-%]	
Lower limit :	1,5 Vol.%

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Upper limit :	18,6 Vol.%
Remarks :	Propellant Vapour
pressure [kPa]	550 – 600
Temperature :	20 °C
Density [g/cm ³]	≈ 1
Temperature :	20 °C Water
solubility [g/l]	immiscible
Solubility [g/l]	No data available
Partition coefficient n-octanol / water (log P O/W)	not determined not determined
Autoinflammability	not auto-flammable
Decomposition temperature [°C]	not determined
Viscosity, dynamic [kg/(m*s)]	not applicable Viscosity,
kinematic [mm ² /s]	not applicable
Risk of explosion.	Not explosive In use, may form flammable/explosive vapour-air mixture. Oxidizing
properties	No data available
9.2 Other information	
Ignition temperature [°C]	> 200 °C Relative
vapour density (air=1)	not determined
Miscibility with water	immiscible

SECTION 10: Stability and reactivity

10.1 Reactivity

Thermal decomposition No decomposition if stored and applied as directed.

10.2 Chemical stability

Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid Container may rupture on heating.
No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid No dangerous reaction known under conditions of normal use.

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10.6 Hazardous decomposition products

Hazardous decomposition products Carbon oxides nitrogen oxides (NO_x)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

4,4'-methylenediphenyl diisocyanate, isomers and homologues

Oral toxicity [mg/kg]	Test criterion	Test species	Remarks
> 5000	LD50	rat	OECD 423

Source : 100 - 100

Dermal toxicity [mg/kg]	Test criterion	Test species
> 5000	LD50	rabbit

Source : 100 - 100

Irritant effect on the respiratory tract Irritant

chlorinated paraffins, C14-17

Oral toxicity [mg/kg]	Test criterion	Test species
> 4000	LD50	rat

Source : 100 - 100

Dermal toxicity [mg/kg]	Test criterion	Test species	Duration
> 13500	LD50	rabbit	24 h
> 2800	LD50	rat	24 h

Source : 100 - 100

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Inhalative toxicity [mg/l] Irritating to respiratory system. Irritant
effect on skin Irritating to skin.
Irritating to skin and mucous membranes
Irritant effect on eyes Irritating to eyes.
Sensitization May cause sensitization by inhalation and skin contact.

11.2 Additional information

Other information (chapter 11.) The product itself has not been tested.

SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients

4,4'-methylenediphenyl diisocyanate, isomers and homologues

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration
> 100	LC50	Brachydanio rerio (zebra fish)	OECD Test Guideline 203	96 h

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Measuring method
> 1000	EC50	Daphnia magna (Water flea)	24 h	OECD Test Guideline 202

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration
> 1640	ErC50:	Scenedesmus subspicatus	72 h

NOEC (daphnia) [mg/l]	Test species	Measuring method	Exposure duration
> 10	Daphnia magna (Big water flea).	OECD 202	21 d

propane

Toxicity to fish [mg/l]	Test criterion	Exposure duration	Source
> 1000	LC50	96 h	100

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
14,22	LC50	Daphnia magna (Big water flea).	48 h	100

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
7,71	EC50	Scenedesmus quadricauda (Green algae)	96 h	100

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dimethyl ether

Toxicity to fish [mg/l]

> 1000

Toxicity to daphnia [mg/l]

> 4400

Toxicity to algae [mg/l]

154,917

ISOBUTANE

Toxicity to fish [mg/l]

27,98

Toxicity to daphnia [mg/l]

14,22

Toxicity to algae [mg/l]

7,71

12.2 Persistence and degradability

Elimination and distribution mechanisms

No information available.

Elimination in purification plant

No data available

Biodegradability

No data available

12.3 Bioaccumulative potential

Bioaccumulation

There is no data available for this product. no data available

Bioconcentration factor (BCF)

No data available

12.4 Mobility in soil

Distribution in the environment

No data available

Mobility

Mobility :

insoluble

Mobility :

No data available

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Further information on ecology

No information on ecology is available.

Handle in accordance with good industrial hygiene and safety practice.

The product itself has not been tested.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations

Do not let product enter drains.

Disposal together with normal waste is not allowed. Special disposal required according to local regulations.




The product should not be allowed to enter drains, water courses or the soil.

Empty remaining contents.

Uncleaned empty packaging

Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	1950	1950	1950
14.2 Description of the goods	AEROSOLS	AEROSOLS	
14.2 UN proper shipping name		AEROSOLS	Aerosols, flammable
14.3 Transport hazard class(es)	2	2.1	2.1
Remarks	inflammable	(maximum 1 L) flammable	
Labels	2.1 	2.1 	2.1 
Category	2		
Classification Code	5F		
Tunnel restriction code	D		
14.5 Environmental hazards		0: Non-marine pollutant	
EmS		F-D;S-U	
Stowage category		A	

14.6 Special precautions for user

Precautions

not required under normal use

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

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

Additional regulations

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

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Water hazard class (self-classification) 1

15.2 Chemical safety assessment

Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant H-phrases
H220: Extremely flammable gas.
H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H280: Contains gas under pressure; may explode if heated. H315: Causes skin irritation.
H317: May cause an allergic skin reaction. H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation. H351: Suspected of causing cancer .
H362: May cause harm to breast-fed children.
H373: May cause damage to organs through prolonged or repeated exposure .
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects. H413: May cause long lasting harmful effects to aquatic life. EUH204: Contains isocyanates. May produce an allergic reaction.

Wording of the hazard classes
Flam. Aerosol: Flammable aerosol
Acute Tox.: Acute toxicity
Skin Irrit.: Skin irritation
Eye Irrit.: Serious eye irritation
Resp. Sens.: Respiratory sensitization
Skin Sens.: Skin sensitization
Carc.: Carcinogenicity
Lact.: Reproductive toxicity (effects on or via lactation) STOT SE:
Specific target organ toxicity – single exposure STOT RE: Specific target organ toxicity – repeated exposure Aquatic Chronic: Hazardous to the aquatic environment Aquatic Acute: Hazardous to the aquatic environment
Flam. Gas: Flammable gas
Press. Gas: Gases under pressure

Classification for mixtures and used evaluation method

Classification	Evaluation
Flam. Aerosol 1; H222 H229	Experimental data
Acute Tox. 4; H332	Calculated
Skin Irrit. 2; H315	Calculated

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according to regulation (EC)
1272/2008 [CLP]

Classification	Evaluation
Eye Irrit. 2; H319	Calculated
Resp. Sens. 1; H334	Calculated
Skin Sens. 1; H317	Calculated
Carc. 2; H351	Calculated
Lact.; H362	Calculated
STOT SE 3; H335	Calculated
STOT RE 2; H373	Calculated
Aquatic Chronic 4; H413	Calculated
Flam. Aerosol 1; H229	Calculated

Recommended restrictions

None under normal processing. Observe technical data sheet. Modifications

of the previous version are denoted with an asterisk (*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.