

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 06/07/2022 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

: METOFIX CB-A2 COMP B Name UFI : EPC3-S5W3-0005-8K2W

Product code : 57186

Type of product : Building and Repair application

Product group Trade product

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use Use of the substance/mixture : Building and Repair application Function or use category : Building and construction work

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Chemfix Products Limited

A Briolf Group Company Ctra. N-II, km 706,5 17457 RIUDELLOTS DE LA SELVA (Girona)

T +44 (0)1924 453886/+34 872 729 763 - F +44 (0)1924 458995

sds@chemfix.co.uk - www.chemfix.co.uk

1.4. Emergency telephone number

Emergency number : Emergency Number Association (EENA): 112 / UK Manufacturer +44 (0)1924 431679

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1 H314 Serious eye damage/eye irritation, Category 1 H318 Skin sensitisation, Category 1 H317 Specific target organ toxicity - Repeated exposure, Category 2 H373

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

May cause damage to organs through prolonged or repeated exposure. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage.

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP) : Danger

Contains : 2,2,4-TRIMETHYLHEXANE-1,6-DIAMINE, QUARTZ (FINE FRACTION)

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H373 - May cause damage to organs (lungs) through prolonged or repeated exposure

(Inhalation of dust).

Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective clothing, eye protection, face protection.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352 - IF ON SKIN: Wash with plenty of water.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,2,4-TRIMETHYLHEXANE-1,6-DIAMINE	CAS-No.: 25513-64-8 EC-No.: 247-063-2 REACH-no: 01-2119560598- 25	10 – 20	Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1, H317
QUARTZ (FINE FRACTION)	CAS-No.: 14808-60-7 EC-No.: 238-878-4 REACH-no: Exempted in accordance with Annex V.7	3 – 10	STOT RE 1, H372

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a

physician immediately.

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First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact

with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe

 $\hbox{dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal}$

protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be

allowed out of the workplace. Do not eat, drink or smoke when using this product. Always

wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

Building and construction work.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

QUARTZ (FINE FRACTION) (14808-60-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Silica crystaline (Quartz)	
Remark (Year of adoption 2003)		
Regulatory reference	SCOEL Recommendations	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):







8.2.2.1. Eye and face protection

Eye protection:

Safety glasses (EN 166)

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

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Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Reusable gloves	Nitrile rubber (NBR), Butyl rubber, Viton® II	6 (> 480 minutes)	0.4	As the product is a preperation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.	EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

Viscosity, kinematic

Viscosity, dynamic

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Colour : Grey.
Appearance : Paste.

Odour : Characteristic odour. Odour threshold : Not available Melting point : Not available Freezing point : Not applicable **Boiling** point : > 200 °C Flammability : Non flammable. **Explosive limits** : Not applicable : Not applicable Lower explosion limit Upper explosion limit : Not applicable Flash point : Not applicable Auto-ignition temperature : Not applicable Decomposition temperature : Not available : Not available pH solution : Not available

Solubility : Material insoluble in water.

: Not applicable : > 100000 cP

: Not available Partition coefficient n-octanol/water (Log Kow) Vapour pressure : Not available Vapour pressure at 50 °C : Not available Density : 1.64 kg/l Relative density : Not available : Not applicable Relative vapour density at 20 °C : Not available Particle size Particle size distribution : Not available Particle shape : Not available Particle aspect ratio : Not available Particle aggregation state : Not available

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Particle agglomeration state : Not available
Particle specific surface area : Not available
Particle dustiness : Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

2,2,4-TRIMETHYLHEXANE-1,6-DIAMINE (25513-64-8)

LD50 oral rat 910 mg/kg bodyweight Animal: rat, Animal sex: male

Skin corrosion/irritation : Causes severe skin burns.

2,2,4-TRIMETHYLHEXANE-1,6-DIAMINE (25513-64-8)

pH 11.6

Serious eye damage/irritation : Causes serious eye damage.

2,2,4-TRIMETHYLHEXANE-1,6-DIAMINE (25513-64-8)

pH 11.6

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

QUARTZ (FINE FRACTION) (14808-60-7)

IARC group 1 - Carcinogenic to humans

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Reproductive toxicity : Not classified STOT-single exposure : Not classified

STOT-repeated exposure : May cause damage to organs (lungs) through prolonged or repeated exposure (Inhalation of

dust).

QUARTZ (FINE FRACTION) (14808-60-7)

STOT-repeated exposure Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

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Viscosity, kinematic Not applicable

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Not classified

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

Not rapidly degradable

2,2,4-TRIMETHYLHEXANE-1,6-DIAMINE (25513-64-8)		
EC50 - Other aquatic organisms [1]	174 mg/l	
EC50 72h - Algae [1]	43.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
LOEC (chronic)	1.02 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	1.02 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	≥ 10.9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '30 d'	
NOEC chronic algae	> 10 mg/l	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

2,2,4-TRIMETHYLHEXANE-1,6-DIAMINE (25513-64-8)	
Partition coefficient n-octanol/water (Log Pow)	1.11 Source: Lookchem

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

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12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3259	UN 3259	UN 3259	UN 3259	UN 3259
14.2. UN proper shippin	g name			
AMINES, SOLID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6- DIAMINE)	AMINES, SOLID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6- DIAMINE)	Amines, solid, corrosive, n.o.s. (TRIMETHYLHEXANE-1,6- DIAMINE)	AMINES, SOLID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6- DIAMINE)	AMINES, SOLID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6- DIAMINE)
Transport document descr	iption			
UN 3259 AMINES, SOLID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6- DIAMINE), 8, I, (E)	UN 3259 AMINES, SOLID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6- DIAMINE), 8, I			
14.3. Transport hazard	class(es)			
8	8	8	8	8
B	B	8	8	8
14.4. Packing group	14.4. Packing group			
I	I	I	I	I
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information	on available			

14.6. Special precautions for user

Overland transport

Classification code (ADR) : C8

Special provisions (ADR) : 274

Limited quantities (ADR) : 0

Excepted quantities (ADR) : E0

Packing instructions (ADR) : P002, IBC07

Mixed packing provisions (ADR) : MP18

Portable tank and bulk container instructions (ADR) : T6

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Portable tank and bulk container special provisions

(ADR)

Tank code (ADR) : S10AN, L10BH

Vehicle for tank carriage : AT
Transport category (ADR) : 1
Special provisions for carriage - Packages (ADR) : V10
Special provisions for carriage - Operation (ADR) : S20
Hazard identification number (Kemler No.) : 88

Orange plates :

88 3259

Tunnel restriction code (ADR) : E EAC code : 2X

Transport by sea

Special provisions (IMDG) : 274 Limited quantities (IMDG) 0 Excepted quantities (IMDG) : E0 Packing instructions (IMDG) : P002 IBC packing instructions (IMDG) : IBC07 : B1 IBC special provisions (IMDG) Tank instructions (IMDG) T6 Tank special provisions (IMDG) TP33 EmS-No. (Fire) : F-A EmS-No. (Spillage) S-B Stowage category (IMDG) Α

Segregation (IMDG) : SGG18, SG35

Properties and observations (IMDG) : Colourless to yellowish solids with a pungent odour. Miscible with or soluble in water. When

involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Cause burns to skin, eyes and mucous membranes. React violently with acids.

Air transport

: E0 PCA Excepted quantities (IATA) PCA Limited quantities (IATA) Forbidden PCA limited quantity max net quantity (IATA) Forbidden PCA packing instructions (IATA) 858 1kg PCA max net quantity (IATA) CAO packing instructions (IATA) 862 CAO max net quantity (IATA) 25kg Special provisions (IATA) A3, A803 ERG code (IATA) 8L

Inland waterway transport

Classification code (ADN) : C8

Special provisions (ADN) : 274

Limited quantities (ADN) : 0

Excepted quantities (ADN) : E0

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : C8
Special provisions (RID) : 274
Limited quantities (RID) : 0
Excepted quantities (RID) : E0
Packing instructions (RID) : P002, IBC07
Mixed packing provisions (RID) : MP18
Portable tank and bulk container instructions (RID) : T6
Portable tank and bulk container special provisions : TP33

(RID)

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Tank codes for RID tanks (RID) : \$10AN, L10BH Special provisions for RID tanks (RID) : TU38, TE22

Transport category (RID) : 1
Special provisions for carriage – Packages (RID) : W10
Hazard identification number (RID) : 88

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	

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Abbreviations and acronyms:		
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer:	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H372	Causes damage to organs through prolonged or repeated exposure.

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Full text of H- and EUH-statements:	
H373	May cause damage to organs through prolonged or repeated exposure.
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.