

SAFETY DATA SHEET

COOL FUSION BICO COMPONENT A

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product identifier

Product name COOL FUSION BICO COMPONENT A

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

Description/Application Water dispersion of synthetic polymers

1.3 Details of the Australian importer

Name: Calce Company Pty Ltd
Full address: 24/13-15 Baker Street, Banksmeadow NSW 2019, Australia
Phone: +61 2 9666 4492
E-mail address: info@calcecompany.com

Details of the manufacturer and supplier of the safety data sheet

Name: Bericalce Srl
Full address: Via Piave 23, 36033 Isola Vicentina (VI), Italy
Phone: +39 0444 929102
E-mail address of the competent person: info@bericalce.com

1.4 Emergency telephone number

For urgent inquiries refer to: Emergency Services (Australia) 000
Poisons Information Centre (Australia) 13 11 26 (24 h / 7 days)

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):
The product is not considered dangerous according to EC Regulation 1272/2008 (CLP).
Physico-chemical effects harmful to human health and the environment:
No other dangers

2.2 Label elements

Hazard pictograms:
None
Hazard statements:
None
Precautionary Tips:
None
Special provisions:
EUH210 Safety data sheet available on request.
Contains:
1,2-benzisothiazol-3 (2H) -one: May produce an allergic reaction.
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7]; 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3: 1): May produce an allergic reaction.

2.3 Other dangers

VPvB Substances: None - PBT Substances: None
Other dangers:
No other dangers

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3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

No relevant information.

3.2 Mixtures

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
TALC		
CAS 14807-96-6	$5 \leq x < 6$	Acute Tox. 4 H332, STOT SE 3 H335
EC 238-877-9		STA Inhalation mists/powders: 1,5 mg/l
INDEX		
PROPAN-2-OL		
CAS 67-63-0	$1 \leq x < 1,5$	Flam. Liq. 2 H225, Eye Irrit. 2 H319,
EC 200-661-7		STOT SE 3 H336
INDEX 603-117-00-0		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

4 FIRST AID MEASURES

4.1 Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2 Special hazards arising from the substance or mixture

Hazards caused by exposure in the event of fire

Do not breathe combustion products.

5.3 Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s)

Information not available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1. Control parameters

Regulatory References:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France ED 984 - INRS
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÅRDSMINISTERIETS PUBLIKATIONER 2020:25
NLD	Nederland	Arbidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbidsomstandighedenbesluit

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POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006
GBR	United Kingdom TLV-ACGIH	EH40/2005 Workplace exposure limits (Fourth Edition 2020) ACGIH 2021

TALC**Threshold Limit Value**

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
VLA	ESP	2				RESP
HTP	FIN	0,5				
HTP	FIN	2				INHAL
HTP	FIN	1				RESP
TGG	NLD	0,25				RESP
NDS/NDSch	POL	4				INHAL
NDS/NDSch	POL	1				RESP
TLV	ROU	2				
WEL	GBR	1				RESP
TLV-ACGIH		2				

PROPAN-2-OL**Threshold Limit Value**

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
TLV	BGR	980		1225		
AGW	DEU	500	200	1000	400	
MAK	DEU	500	200	1000	400	
VLA	ESP	500	200	1000	400	
VLEP	FRA	980	400			
TGG	NLD	650				
NDS/NDSch	POL	900		1200		SKIN
TLV	ROU	200	81	500	203	
WEL	GBR	999	400	1250	500	
TLV-ACGIH		492	200	983	400	

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2 Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374). The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

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SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

10.2 Chemical stability

Stable under normal conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	white
Odour	mild
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point	60 °C
Boiling range	Not available
Flash point	> 60 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	< 25 hPa@ 20°C
Vapour density	Not available
Relative density	1,15
Solubility	Soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information not available

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10 STABILITY AND REACTIVITY

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

10.4 Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

10.5 Incompatible materials

Information not available

10.6 Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

Acute toxicity:

ATE (Inhalation - mists / powders) of the mixture:

> 5 mg/l

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

TALC

STA (Inhalation mists/powders):

1,5 mg/l

PROPAN-2-OL

LD50 (Dermal):

12800 mg/kg Rat

LD50 (Oral):

4710 mg/kg Rat

LC50 (Inhalation vapours):

72,6 mg/l/4h Rat

Sensitizing Properties No effects are known.

Cancerogenic Effects No effects are known.

Mutagenic Effects No effects are known.

Teratogenic Effects No effects are known.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

a) skin corrosion / irritation

b) serious eye damage / eye irritation

c) respiratory or skin sensitization

d) germ cell mutagenicity

e) carcinogenicity

f) reproductive toxicity

g) specific target organ toxicity (STOT) - single exposure

h) specific target organ toxicity (STOT) - repeated exposure

i) danger in case of aspiration

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12 ECOLOGICAL INFORMATION

12.1 Toxicity

Information not available

12.2 Persistence and degradability

TALC

Solubility in water < 0,1 mg/l

PROPAN-2-OL

Rapidly degradable

12.3 Bioaccumulative potential

PROPAN-2-OL

Partition coefficient: n-octanol/water 0,05

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

12.6 Other adverse effects

Information not available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14 TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1 ONU number

Not applicable.

14.2 ONU shipping name

Not applicable.

14.3 Hazard classes connected to shipping

Not dangerous goods

14.4 Packaging group

N.A. Marine pollutant: No

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for users

Not applicable.

14.7 Shipping of bulk according to MARPOL 73/78 annex and the IBC code

No relevant information.

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15 REGULATORY INFORMATION

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

Seveso Category - Directive 2012/18/EU

None

Restrictions related to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product Point 40

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage $\geq$ than 0,1%

Substances subject to authorisation (Annex XIV REACH) None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012 None

Substances subject to the Rotterdam Convention None

Substances subject to the Stockholm Convention None

Healthcare controls Information not available

VOC (Directive 2004/ 42/EC) Binding primers.

15.2 Chemical safety assessment

No

16 OTHER INFORMATIONS

Text of indications of hazard (H) mentioned in section 2-3 of the sheet:

Flam. Liq. 2 Flammable liquid, category 2

Acute Tox. 4 Acute toxicity, category 4

Eye Irrit. 2 Eye irritation, category 2

H318 Causes serious eye damage.

STOT SE 3 Specific target organ toxicity - single exposure, category 3

H225 Highly flammable liquid and vapour.

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

EUH210 Safety data sheet available on request.

LEGEND:

ADR: European Agreement concerning the International Carriage of Dangerous goods by Road.

CAS: Chemical Abstracts Service (division of American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of European Chemical Substances Existing in trade.

GefStoffVO: Ordinance on Hazardous Substances in Germany.

GHS: Globally Harmonized System of Classification and Labeling of chemical products.

IATA: Association for International Air Transport.

IATA-DGR: Regulation on dangerous goods of the "Association for transport international air"(IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical instructions of the "International Aviation Organization civilian"(ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration for 50 percent of the test population.

LD50: Lethal dose for 50 percent of the test population.

LTE: Long-term exposure.

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PNEC: Predicted No Effect Concentration.

RID: Regulation concerning the international transport of dangerous goods by rail.

STE: Short term exposure.

STEL: Limit for short exposure time

STOT: Organ-specific toxicity.

TLV: Occupational Exposure Threshold Limit Value

TWATLV: Threshold limit value for the 8 hour weighted average. (ACGIH Standard).

OEL: Community occupational exposure limit value

ELV: Occupational Exposure Limit Value

WGK: Water hazard class (Germany).

TSCA: United States Toxic Substances Control Act Inventory

DSL: Canadian Domestic Substances List

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version.

Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations.

The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

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