

SAFETY DATA SHEET

Biocidal Air Conditioner Cleaner

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: Biocidal Air Conditioner Cleaner

Product no.: MBBCAC01

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

Relevant identified uses of the substance or Biocide

mixture: Restricted to professional users.

Uses advised against: For professional use only. This product is not recommended for any

industrial, professional or consumer use other than the identified

uses above

1.3. Details of the supplier of the safety data sheet

Company and address: Autosmart Australia

11 Darrambal Close NSW 2283 Rathmines

Australia

Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)

autosmart@autosmartaustralia.com.au

Contact person: Russell Butler

E-mail: SHREQ@autosmart.co.uk

 SDS date:
 27/5/2025

 SDS Version:
 1.0

1.4. Emergency telephone number

In an Emergency call 000

NCEC - For Chemical Emergency Support ONLY (spill, leak, fire, exposure or accident), Call NCEC at 1800 074 234 (toll free 24Hrs) - when calling please guote "AUTOSMART 29003-NCEC"

Local number +61 (0)2 8 014 4558

General Information. Transport Information. Mild medical Information:-Autosmart Australia, Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)

National Emergency Telephone Number:

In less severe situations call the Poisons Information Centre / Poison Information Hotline: 13 11 26 (Available 24/7 from anywhere is Australia)

SECTION 2: HAZARDS IDENTIFICATION

This material is considered hazardous according to the Work Health and Safety Regulations.

2.1. Classification of the substance or mixture

Flam. Liq. 2; H225, Highly flammable liquid and vapour.

Eye Irrit. 2; H319, Causes serious eye irritation.

STOT SE 3; H336, May cause drowsiness or dizziness.

2.2. Label elements



Hazard pictogram(s):



Signal word: Danger

Hazard statement(s): Highly flammable liquid and vapour. (H225)

Causes serious eye irritation. (H319)

May cause drowsiness or dizziness. (H336)

Precautionary statement(s):

General: -

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking. (P210)

Wear protective gloves/eye protection. (P280)

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

(P305+P351+P338)

If eye irritation persists: Get medical advice/attention. (P337+P313)

Storage: Store in a well-ventilated place. Keep cool. (P403+P235)

Disposal: Dispose of contents/container in accordance with local regulation

(P501)

Hazardous substances: propan-2-ol;isopropyl alcohol;isopropanol

Additional labelling: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance:	Identifiers:	% w/w:	Classification:	Note:
propan-2-ol;isopropyl alcohol;isopropanol	CAS No.: 67-63-0 EC No.: 200-661-7	40-60%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Ethyl 2,3-epoxy-3- phenylbutyrate	CAS No.: 77-83-8 EC No.: 201-061-8	<1%	Skin Sens. 1B, H317	
Alkyldimethylbenzylammoniu m chloride	CAS No.: 8001-54-5 EC No.: 616-786-9		Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information: In the case of accident: Contact a doctor or casualty department –

bring the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if



the symptoms persist. Never give an unconscious person water or

other drink.

Inhalation: Upon breathing difficulties or irritation of the respiratory tract: Bring

the person into fresh air and stay with him/her.

Skin contact: Upon irritation: rinse with water. In the event of continued irritation,

seek medical assistance.

Eye contact: If in eyes: Flush eyes immediately with plenty of water or isotonic

water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue

flushing during transport.

Ingestion: If the person is conscious, rinse the mouth with water and stay with

the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited

material.

Burns: Rinse with water until pain stops then continue to rinse for 30

minutes.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Highly flammable liquid and vapour.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO2)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure call the NSW Poisons Information Centre on 13 11 26 (Available 24/7) in order to obtain further advice. Hazchem Code: •2YE

SECTION 6: ACCIDENTAL RELEASE MEASURES



6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it.

Ensure sufficient ventilation.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/lighting/ventilating] equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material: Keep only in original packaging.

Storage conditions: Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources.

Dry, cool and well ventilated

Incompatible materials: Strong oxidizing agents

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

propan-2-ol;isopropyl alcohol;isopropanol Long term exposure limit (8 hours) (ppm): 400 Long term exposure limit (8 hours) (mg/m³): 983 Short term exposure limit (15 minutes) (ppm): 500 Short term exposure limit (15 minutes) (mg/m³): 1230

Workplace exposure standards for airborne contaminants (Safe Work Australia). (January 2024)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations: Smoking, drinking and consumption of food is not allowed in the

work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.



Exposure limits: Professional users are subjected to the legally set maximum

concentrations for occupational exposure. See occupational hygiene

limit values above.

Appropriate technical measures: The formation of vapours must be kept at a minimum and below

current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is

recommended. Ensure eyewash and emergency showers are clearly

marked.

Apply standard precautions during use of the product. Avoid

inhalation of vapours.

Hygiene measures: In between use of the product and at the end of the working day all

exposed areas of the body must be washed thoroughly. Pay special

attention to hands, forearms and face.

Measures to avoid environmental exposure: No specific requirements.

Individual protection measures, such as personal protective equipment

Generally: Use only protective equipment that carries the RCM symbol.

Respiratory Equipment:

Type:	Class:	Colour:	Standards:	:
Respiratory protection is not needed in the event of adequate ventilation.				

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is appropriately marked to a relevant standard. Check that the respirator fits tightly and the filter is changed regularly.

Gas and combination filter cartridges suitable for intended use, Full face mask respirators with replaceable filter cartridges suitable for intended use, half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use, can all be used.

Skin protection:

Recommended:	Type/Category:	Standards:	:
Dedicated work clothing should be worn.	-	-	R

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hand protection:

Material:	Glove thickness (mm):	Breakthrough time (min.):	Standards:	:
Nitrile	0,2	> 30	EN374-2, EN16523-1, EN388	

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. When used with mixtures, the protection time of gloves cannot be accurately estimated. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Thickness: > 0.2 mm The selected gloves should have a breakthrough time of at least 2 hours. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures



should be developed for each intended application. Use thin cotton gloves inside natural rubber gloves if there is an allergy risk to natural rubber.

Eye protection:

Туре:	Standards:	:
Safety glasses with side shields.	EN ISO 16321-1	

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form: Liquid

Colour: Clear, Colourless
Odour: Characteristic
Odour threshold (ppm): No data available.
pH: No data available.

Density (g/cm^3) : 0.79

Relative density: 0.79 (20 °C)

Kinematic viscosity: 20.5 mm²/s (20 °C)

Particle characteristics: Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C): No data available.

Softening point/range (°C): Does not apply to liquids.

Boiling point (°C): 83

Vapour pressure: 4.4 kPa (20 °C)

Relative vapour density: 2.1

Decomposition temperature (°C): No data available.

Data on fire and explosion hazards

Flash point (°C):

Flammability (°C): The material is ignitable.

Auto-ignition temperature (°C): No data available. Explosion limits (% v/v): No data available.

Solubility

Solubility in water:

n-octanol/water coefficient (LogKow):

No data available.

No data available.

No data available.

9.2. Other information

Evaporation rate (n-butylacetate = 100): 2.4 VOC (g/L): 445

Other physical and chemical parameters: No data available.

Oxidizing properties: No data available.



SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

10.5. Incompatible materials

Strong oxidizing agents

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 toxicological effects

Acute toxicity

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Test method: OECD 401
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 5,840 mg/kg

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Test method: OECD 402
Species: Rabbit
Route of exposure: Dermal
Result: >12,800 mg/kg

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Test method: OECD 403
Species: Rat
Route of exposure: Inhalation
Test: LC50
Result: >10000 mg/kg

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Product/substance Alkyldimethylbenzylammonium chloride Species: Rat

Species: Rat Route of exposure: Oral Test: LD50

Result: 280 - 305 mg/kg bw

Product/substance Alkyldimethylbenzylammonium chloride

Species: Rat
Route of exposure: Dermal
Test: LD50

Result: 930 mg/kg bw

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Species: Rabbit



Result: No adverse effect observed (Not irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Test method: OECD 405 Species: Rabbit

Result: Adverse effect observed (Irritating)

Causes serious eye irritation.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Test method: OECD 406 Species: Guinea pig

Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

propan-2-ol;isopropyl alcohol;isopropanol has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Test method: OECD 203

Species: Fish, Pimephales promelas

Duration: 96 hours
Test: LC50
Result: 9640 mg/L

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Test method: OECD 202
Species: Daphnia
Duration: 24 hours
Test: LC50
Result: >10000 mg/L



Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Species: Algae
Duration: 7 days
Test: NOEC
Result: 1800 mg/L

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Species: Bacteria
Test: EC50
Result: >1000 mg/L

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Species: Daphnia, Daphnia magna

Duration: 21 days Test: NOEC Result: 30 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance propan-2-ol;isopropyl alcohol;isopropanol

Duration: 21 days Result: 95 %

Conclusion: Readily biodegradable

Test: OECD 301 E

12.3. Bioaccumulative potential

Product/substance propan-2-ol;isopropyl alcohol;isopropanol Conclusion: Potential for bioaccumulation is low

12.4. Mobility in soil

propan-2-ol;isopropyl alcohol;isopropanol LogKoc = 1.1, High mobility potential.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

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

Specific labelling

Contaminated packing

SECTION 14: TRANSPORT INFORMATION

:	14.1 UN / ID:	14.2 UN proper shipping name:	14.3 Hazard class(es):	14.4 PG*:		Other informatio n::
ADG	UN1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	Transport hazard class: 3 Label: 3 Classification code: F1	II	No	Limited quantities: 1 L Tunnel restriction code: (D/E) See below



:	14.1 UN / ID:	14.2 UN proper shipping name:	14.3 Hazard class(es):	14.4 PG*:	14.5 Env**:	Other informatio n::
						for additional information
IMDG	UN1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	Transport hazard class: 3 Label: 3 Classification code: F1	II	No	Limited quantities: 1 L EmS: F-E S-D See below for additional information .
IATA	UN1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	Transport hazard class: 3 Label: 3 Classification code: F1	II	No	See below for additional information

^{*} Packing group

Additional information

This product is within scope of the regulations of transport of dangerous goods.

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

Hazchem Code: ●2YE

14.6. Special precautions for user

Not applicable.

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

No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application: Restricted to professional users.

People under the age of 18 shall not be exposed to this product. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education: No specific requirements.

Control of major hazard facilities: Flammable Material / Treshold quantity: 50 000 tonnes

Additional information: Not applicable.

The Australian Inventory of Industrial propan-2-ol;isopropyl alcohol;isopropanol is listed

^{**} Environmental hazards



Chemicals (AIIC): Ethyl 2,3-epoxy-3-phenylbutyrate is listed

Alkyldimethylbenzylammonium chloride is listed

SUSMP: No Poison Schedule Allocated

Sources: National Standard for the Control of Major Hazard Facilities

[NOHSC:1014(2002)].

Model Work Health and Safety Regulations as at 1 January 2021.

15.2. Chemical safety assessment

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SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.

H302, Harmful if swallowed.

H312, Harmful in contact with skin.

H314, Causes severe skin burns and eye damage.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ADG = The Australian Code for the Transport of Dangerous Goods by Road & Rail

AICIS = Australian Industrial Chemicals Introduction Scheme

AIIC = Australian Inventory of Industrial Chemicals

AS = Australian Standard

AS/NZS = Australian New Zealand Standard

ATE = Acute Toxicity Estimate

AUH = Hazard statements specific for Australia

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

EINECS = European Inventory of Existing Commercial chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

Hazchem = Hazardous chemicals

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the

Protocol of 1978. (""Marpol"" = marine pollution)

NICNAS = National Industrial Chemicals Notification and Assessment Scheme (replaced by AICIS since 2020)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

RCM = Regulatory Mark of Conformity

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

SCL = A specific concentration limit

STEL = Short-term exposure limits

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

WHS = Work Health and Safety Regulations

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given



by the Work Health and Safety Regulations.

The classification of the mixture in regard to physical hazards has been based on experimental data. Refer to AS 1940–2017: The storage and handling of flammable and combustible liquids.

The safety data sheet is validated by

Adrian

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: AU-en