



BVC32

Safety Data Sheet

according to Work Health and Safety Regulations 2011

Date of issue: 15/06/2026

Revision date: -

Version/Replaced version: 1.0/-

Section 1: Identification

1.1. Product identifier

Product form : Mixture

Product name : BVC32

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Intended for general public

Recommended use of the substance/mixture : Lubricant

1.4. Details of manufacturer or importer

Supplier (Germany)

BITZER Kühlmaschinenbau GmbH
Peter-Schaufler-Platz 1
71065 Sindelfingen - Germany
T +49 (0)7031 932 0
spareparts@bitzer.de
www.bitzer.de

Supplier (Australia)

BITZER Australia Pty Ltd
75 Dunheved Circuit
St Marys NSW 2763 - Australia
T +61 (2) 88019300
bitzerquality@bitzer.com.au
<https://www.bitzer.de/au/en/>

Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: sds@dlac-gmbh.de

1.5. Emergency phone number

Country	Organisation/Company	Address	Emergency telephone number
Australia	Poisons Information Hotline	-	13 11 26

Section 2: Hazard(s) identification

2.1. Classification of the hazardous chemical

GHS Classification according to WHS Regulations

Sensitization - Skin, Category 1 H317

Reproductive toxicity, Category 1B H360F

Specific target organ toxicity (single exposure), Category 2 H371

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction. May damage fertility. May cause damage to organs.

2.2. Label elements, including precautionary statements

GHS Labelling according to WHS Regulations

Hazard pictograms (GHS) :



GHS07
Exclamation
mark



GHS08
Health
hazard

Signal word (GHS) : Danger

Hazard statements (GHS) : May cause an allergic skin reaction. (H317)

May damage fertility. (H360)

May cause damage to organs. (H371)

Precautionary statements (GHS) :

Obtain special instructions before use. (P201)

Do not handle until all safety precautions have been read and understood. (P202)

Do not breathe mist, vapours. (P260)

Wash hands thoroughly after handling. (P264)

Do not eat, drink or smoke when using this product. (P270)

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

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

IF ON SKIN: Wash with plenty of water and soap. (P302+P352)

IF exposed or concerned: Get medical advice/attention. (P308 + P313)

If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

Take off contaminated clothing and wash it before reuse. (P362+P364)

Store locked up. (P405)

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Dispose of contents/container in accordance with national regulation. (P501)

2.3. Other hazards

No additional information available

Section 3: Composition and information on ingredients, in accordance with Schedule 8

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to WHS Regulations
Tris(methylphenyl)phosphate	(CAS No) 1330-78-5	0.15 – 1	Repr. 1B, H360F STOT SE 1, H370 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,6-di-tert-butyl-p-cresol	(CAS No) 128-37-0	0.15 – < 1	Aquatic Chronic 1, H410
[[[2-ethylhexyl]oxy]methyl]oxirane	(CAS No) 2461-15-6	0.1 – < 1	Skin Irrit. 2, H315 Skin Sens. 1A, H317

Section 4: First aid measures

4.1. Description of necessary first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Immediately remove contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Drink water as a precaution. Do NOT induce vomiting.

4.2. Symptoms caused by exposure

- Symptoms/injuries : May damage fertility. May cause damage to organs.
- Symptoms/injuries after skin contact : May cause an allergic skin reaction.

4.3. Medical attention and special treatment

Treat symptomatically.

Section 5: Firefighting measures

5.1. Suitable extinguishing equipment

- Suitable extinguishing media : Carbon dioxide. Dry extinguishing powder. Water spray. For a significant fire: Alcohol resistant foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Release of harmful/irritant gases/vapours. Carbon dioxide. Carbon monoxide.

5.3. Special protective equipment and precautions for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. Move containers away from the fire area if this can be done without risk.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours
- Emergency procedures : Evacuate unnecessary personnel.
- Protective equipment : Wear personal protective equipment. In case of inadequate ventilation wear respiratory protection. For further information refer to section 8: "Exposure controls and personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Contain the spilled material by bunding. Notify authorities if product enters sewers or public waters.

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6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (for example cloth). Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Keep in suitable, closed containers for disposal. Dispose of in accordance with relevant local regulations

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear suitable protective clothing. Avoid breathing vapours, spray. Avoid contact with skin and eyes. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed. Store in a cool and well-ventilated place. Protect from heat and direct sunlight. Store locked up

Prohibitions on mixed storage : Keep away from food, drink and animal feedingstuffs.

Section 8: Exposure controls and personal protection

8.1. Exposure control measures

2,6-di-tert-butyl-p-cresol (128-37-0)		
Australia	Local name	2,6-Di-tert-butyl-p-cresol
Australia	HCIS TWA (mg/m ³)	10 mg/m ³
ACGIH	Local name	Butylated Hydroxytoluene
ACGIH	TLV-TWA (mg/m ³)	2 mg/m ³
ACGIH	Remark (ACGIH)	A4 – Not Classifiable as a Human Carcinogen

8.2. Biological monitoring

No additional information available

8.3. Control Banding

No additional information available

8.4. Engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations.

8.5. Individual protection measures, for example personal protective equipment (PPE)

Eye and face protection : Wear closed safety glasses (AS/NZS 1337 or equivalent).

Skin protection : Avoid repeated or prolonged skin contact. Wear suitable protective clothing. Wear suitable gloves (AS/NZS 2161 or equivalent). Nitrile rubber, ≥ 0.3 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection : In case of inadequate ventilation wear respiratory protection (AS/NZS 1716 or equivalent).

Thermal hazards : Not required for normal conditions of use.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Colourless, clear

Odour : Slight

Melting point/freezing point : No data available

Boiling point or initial boiling point and boiling range : No data available

Flammability : No data available

Lower and upper explosion limit/flammability limit : No data available

Flash point : 170 - 178 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

pH : Not applicable

Kinematic viscosity : 32.4 mm²/s (40 °C)

Solubility : Water: insoluble

Partition coefficient n-octanol/water (log value) : Not applicable

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Vapour pressure	: No data available
Density and/or relative density	: 0.93 g/cm ³
Relative vapour density	: No data available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

Section 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

On burning: release of toxic gases/vapours. On combustion or on thermal decomposition (pyrolysis) releases : Carbon monoxide. Carbon dioxide.

Section 11: Toxicological information

11.1. Information on hazard classes

Acute toxicity	: Not classified
	Based on available data, the classification criteria are not met

Tris(methylphenyl) phosphate (1330-78-5)	
LD50 oral rat	> 20 000 mg/kg
LD50 dermal rabbit	3700 mg/kg
LC50 inhalation rat	> 11.1 mg/l/1 h

2-[(2-ethylhexyl)oxy]methyl}oxirane (2461-15-6)	
LD50 oral rat	> 5 000 mg/kg
LD50 dermal rabbit	> 4 000 mg/kg
LC0 inhalation rat	0.15 mg/l/7 h

Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
	Based on available data, the classification criteria are not met
Reproductive toxicity	: May damage fertility.
Specific Target Organ Toxicity (STOT) — single exposure	: May cause damage to organs.
Specific Target Organ Toxicity (STOT) — repeated exposure	: Not classified
	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met

11.2. Information on other hazards

Information on possible routes of exposure	: Oral, dermal, inhalative
Early onset symptoms related to exposure	: May cause an allergic skin reaction.
Delayed health effects from exposure	: May cause an allergic skin reaction. May damage fertility. May cause damage to organs.
Exposure levels and health effects	: No additional information available
Interactive effects	: None known.
Mixtures of chemicals	: No additional information available
Other information	: No additional information available

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Section 12: Ecological information

12.1. Ecotoxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Tris(methylphenyl) phosphate (1330-78-5)	
LC50 fish	0.6 mg/l 96 h, Oncorhynchus mykiss
EC50 crustacea	0.146 mg/l 48 h, Daphnia magna
EC50 algae	> 2.5 mg/l 72 h, Raphidocelis subcapitata
NOEC fish	0.01 mg/l 28 d, Jordanella floridae
NOEC crustacea	0.1 mg/l 21 d, Daphnia magna
NOEC algae	> 2.5 mg/l 72 h, Raphidocelis subcapitata

2-[(2-ethylhexyl)oxy]methyl oxirane (2461-15-6)	
LC50 fish	> 5 000 mg/l 96 h, Oncorhynchus mykiss
EL50 crustacea	7.2 mg/l 48 h, Daphnia magna
IC50 algae	843.75 mg/l 72 h, Raphidocelis subcapitata
NOEC algae	500 mg/l 72 h, Raphidocelis subcapitata

12.2. Persistence and degradability

Tris(methylphenyl) phosphate (1330-78-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	80 % 28 d (OECD 301 C)

2-[(2-ethylhexyl)oxy]methyl oxirane (2461-15-6)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 % 28 d (OECD 301 F)

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

Section 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

Waste treatment methods : Do not empty into drains. This material and its container must be disposed of in a safe way.

Section 14: Transport information

In accordance ADG / IMDG / IATA

14.1. UN number

UN-No. (ADG) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

14.2. Proper Shipping Name or Technical Name

Proper Shipping Name (ADG) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class

ADG

Transport hazard class(es) (ADG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

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14.4. Packing group number

Packing group (ADG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards for transport purposes

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

Transport by road and rail (ADG)

Not applicable

Transport by sea (IMDG)

Not applicable

Air transport (IATA)

Not applicable

14.7. Additional information

No additional information available

14.8. Hazchem or Emergency Action Code

Not applicable

Section 15: Regulatory information

15.1. Safety, health and environmental regulations

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade

Contains no substance(s) subject to the Rotterdam Convention.

Stockholm Convention on Persistent Organic Pollutants

Contains no substance(s) subject to the Stockholm Convention.

Montreal Protocol on Substances that Deplete the Ozone Layer

Contains no substance(s) subject to the Montreal Protocol.

Work Health and Safety Regulations 2011

Contains no restricted hazardous chemicals according to Schedule 10, table 10.3 of the Work Health and Safety Regulations 2011.

Section 16: Any other relevant information

Data sources : Work Health and Safety Regulations 2011 (as amended and in force); Model Work Health and Safety Regulations (as at 5 December 2025); Safe Work Australia, Model Code of Practice: Preparation of safety data sheets for hazardous chemicals (as at June 2023).

Date of preparation or review : 15/06/2026

Changes compared to the previous version : -

Key abbreviations or acronyms used:

ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
OECD	Organisation for Economic Cooperation and Development
WHS Regulations	Work Health and Safety Regulations 2011

Full text of H-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard, Category 1
Repr. 1B	Reproductive toxicity, Category 1B
Skin Sens. 1A	Skin sensitisation, Category 1A
STOT SE 1	Specific target organ toxicity (single exposure), Category 1
STOT SE 2	Specific target organ toxicity (single exposure), Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure), Category 2

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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H360F	May damage fertility.
H370	Causes damage to organs.
H371	May cause damage to organs.
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.

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.