



BSE85K

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 : BSE85K

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements, including precautionary statements

GHS Labelling according to WHS Regulations

No labelling applicable

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
Triaryl phosphate, alkylated	(CAS No) -	1 – < 2.5	Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Triphenyl phosphate	(CAS No) 115-86-6	0.1 – < 1	Aquatic Acute 1, H400 Aquatic Chronic 2, H411

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.

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.

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

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First-aid measures after ingestion : Rinse mouth. Drink water as a precaution. Do NOT induce vomiting.

4.2. Symptoms caused by exposure

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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.

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 : Spilled material may present a slipping hazard. Provide adequate ventilation.

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.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : 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.

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed and at a temperature not exceeding the flashpoint.

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

Section 8: Exposure controls and personal protection

8.1. Exposure control measures

Triaryl phosphate, alkylated / Triphenyl phosphate (115-86-6)		
Australia	Local name	Triphenyl phosphate
Australia	HCIS TWA (mg/m ³)	3 mg/m ³
ACGIH	Local name	Triphenyl phosphate
ACGIH	TLV-TWA (mg/m ³)	3 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

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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 butyl rubber (NBR). ≥ 0.38 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 : Yellow

Odour : Characteristic

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 : 246 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

pH : Not applicable

Kinematic viscosity : 80 mm²/s (40 °C)

Solubility : Water: insoluble

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

Vapour pressure : No data available

Density and/or relative density : 0.99 g/cm³ (15 °C)

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. Strong acids. Strong bases

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

Triaryl phosphate, alkylated	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 0.4 mg/l/6 h

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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	: Not classified Based on available data, the classification criteria are not met
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	: Not classified Based on available data, the classification criteria are not met
Specific Target Organ Toxicity (STOT) — single exposure	: Not classified Based on available data, the classification criteria are not met
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	: To our knowledge, this product does not present a significant health hazard or any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
Delayed health effects from exposure	: To our knowledge, this product does not present a significant health hazard or any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
Exposure levels and health effects	: To our knowledge, this product does not present a significant health hazard or any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
Interactive effects	: None known.
Mixtures of chemicals	: No additional information available
Other information	: No additional information available

Section 12: Ecological information

12.1. Ecotoxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

Triaryl phosphate, alkylated	
LC50 fish	0.8 mg/l 96 h, <i>Lctalurus punctatus</i>
EC50 crustacea	0.202 mg/l 48 h, <i>Daphnia magna</i>
EC50 algae	1.4 mg/l 72 h, <i>Raphidocelis subcapitata</i>
NOEC chronic fish	0.093 mg/l 90 d, <i>Pimephales promelas</i>
NOEC chronic crustacea	0.0399 mg/l 21 d, <i>Daphnia magna</i>
NOEC chronic algae	0.05 mg/l 72 h, <i>Raphidocelis subcapitata</i>

12.2. Persistence and degradability

Triaryl phosphate, alkylated	
Persistence and degradability	Readily biodegradable.
Biodegradation	61 % 28 d (OECD 301 D)

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Endocrine disruption for the environment	: Components with adverse effects on the environment caused by endocrine disrupting properties: Triphenyl phosphate (115-86-6).
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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.

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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

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.

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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 2	Hazardous to the aquatic environment - Chronic Hazard, Category 2
H400	Very toxic to aquatic life.
H411	Harmful 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.