

BOCKlub E55

Safety Data Sheet

according to WHS Regulations (SLI No. 262 of 2011), as amended and in force on 31 October 2023

Date of issue: 27/03/2024

Revision date: -

Version/Replaced version: 1.0/-



Section 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : BOCKlub E55

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use of the substance/mixture : Lubricant

1.4. Details of manufacturer or importer

Supplier (Germany)
BOCK GmbH
Benzstraße 7
72636 Frickenhausen - Germany
T: +49 7022 9454 0
E-mail: info@bock.de

Supplier (Australia)
Danfoss (Australia) Pty Ltd
2 National Drive
Dadendong South 3175 VIC - Australia
T: 1300 328 008
E-mail: customercare.pac@danfoss.com

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) 68937-40-6	1 – < 2.5	Aquatic Acute 1, H400 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

Section 4: First aid measures

4.1. Description of necessary first aid measures

First-aid measures general : Remove/Take off immediately all contaminated clothing. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : 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.
First-aid measures after ingestion : Rinse mouth. Drink water as a precaution.

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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 : Adapt extinguishing agent to suit the environment. 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 : Toxic fumes may be released. 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 : Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

Emergency procedures : Evacuate unnecessary personnel.

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls and personal protection".

6.2. Environmental precautions

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. Stop leak if safe to do so. 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. Avoid the formation of aerosol. Avoid contact with skin and eyes. Wear suitable protective clothing.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed. Keep at temperature not exceeding the flash point.

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

Section 8: Exposure controls and personal protection

8.1. Exposure control measures

tert-butylphenyldiphenyl phosphate (tBuTPP) (68937-40-6)		
Australia	Local name	Triphenyl phosphate [115-86-6]
Australia	HCIS TWA (mg/m³)	3 mg/m³
ACGIH	Local name	Triphenyl phosphate [115-86-6]
ACGIH	TLV-TWA (mg/m³)	3 mg/m³
ACGIH	Remark (ACGIH)	A4

8.2. Biological monitoring

No additional information available

8.3. Control Banding

No additional information available

8.4. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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

Hand protection	: Wear suitable gloves (EN 374). Nitrile rubber. 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.
Eye protection	: Safety goggles recommended during refilling.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: No respiratory protection needed under normal use conditions. In case of inadequate ventilation wear respiratory protection. Breathing apparatus with filter A.
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	: Liquid
Colour	: Light yellow
Odour	: Characteristic
Melting point/freezing point	: -48 °C
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	: 278 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: No data available
Kinematic viscosity	: 55 mm ² /s (40 °C)
Solubility	: Water: practically insoluble
Partition coefficient n-octanol/water (log value)	: Not applicable
Vapour pressure	: No data available
Density and/or relative density	: 1.00 g/cm ³ (15 °C)
Relative vapour density	: No data available
Particle characteristics	: Not applicable

9.2. Other information

Explosive properties	: No explosive properties
Oxidising properties	: No oxidising properties

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

High temperature.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.. In case of fire: Toxic gases are released. Carbon dioxide. Carbon monoxide. Toxic gases and vapours.

Section 11: Toxicological information

11.1. Information on hazard classes

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

tert-butylphenyldiphenyl phosphate (tBuTPP) (68937-40-6)

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	: No additional information available
Delayed health effects from exposure	: No additional information available
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

Section 12: Ecological information

12.1. Ecotoxicity

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

tert-butylphenyldiphenyl phosphate (tBuTPP) (68937-40-6)	
LC50 fish	0.8 mg/l 96 h, Ictalurus punctatus
EC50 crustacea	0.202 mg/l 48 h, Daphnia magna
EC50 algae	1.4 mg/l 72 h, Raphidocelis subcapitata
NOEC chronic fish	0.093 mg/l 90 d, Pimephales promelas
NOEC chronic crustacea	0.0399 mg/l 21 d, Daphnia magna
NOEC chronic algae	0.05 mg/l 72 h, Raphidocelis subcapitata

12.2. Persistence and degradability

tert-butylphenyldiphenyl phosphate (tBuTPP) (68937-40-6)	
Persistence and degradability	Readily biodegradable.
Biodegradation	61 % 28 d (OECD 301 D)

12.3. Bioaccumulative potential

tert-butylphenyldiphenyl phosphate (tBuTPP) (68937-40-6)	
Partition coefficient n-octanol/water (Log Pow)	4.68 (25 °C)

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. Dispose of this material and its container 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 (Select Legislative Instrument No. 262, 2011) as amended and in force, dated 31 October 2023, in conjunction with the Work Health and Safety Amendment (Chemicals Labelling) Regulations 2023 dated 13 December 2023.

Date of preparation or review : 27/03/2024

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 (Select Legislative Instrument No. 262, 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	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.