

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Brootsolie BO100

Revision date: 28.08.2019

Product code: 30

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Brootsolie BO100

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

Use of the substance/mixture

Cutting oil

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: Akkermans Industrial Engineering B.V.
 Street: Vijfhuizenberg 103-A
 Place: NL-4708 AJ Roosendaal

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Index No	REACH No	Quantity
	EC No GHS			
	Classification			
67762-38-3	Fatty acids, C16-18 and C18-unsatd., Me esters			15 - < 20 %
	267-015-4		01-2119471664-32	
92044-87-6	Fatty acids, coco, 2-ethylhexyl esters			2.5 - < 5 %
	295-366-3		01-2119957315-34	
	Geschwefelte pflanzliche Fettsäureester, Fettsäuren und Kohlenwasserstoffe Polymer			1 - < 2.5 %
78-42-2	tris(2-ethylhexyl) phosphate			0.1 - < 1 %
	201-116-6		01-2119517575-36	
118-82-1	lonox 220, 2,2', 6,6'-tetra-tert-butyl-4,4'-methylenediphenol			0.1 - < 1 %
	204-279-1		01-2119970557-25	

Full text of H and EUH statements: see section 16.

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SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

Remove contaminated, saturated clothing immediately. @0403.B004101

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. In case of swallowing, keep the patient at rest and contact a doctor.

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

No information available.

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

Treat symptomatically

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water fog. Extinguishing powder. Carbon dioxide. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

Carbon dioxide (CO₂).

Carbon monoxide

Nitrogen oxides (NO_x).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Large quantities remove mechanically

Clean contaminated articles and floor according to the environmental legislation.

Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

Disposal: see section 13

SECTION 7: Handling and storage

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7.1. Precautions for safe handling**Advice on safe handling**

- Avoid oil mist
- Use only in well-ventilated areas.
- Direct contact with skins avoid.
- When using do not eat, drink or smoke.

Advice on protection against fire and explosion

- Prevent access by unauthorised personnel.

Further information on handling

- High slip hazard because of leaking or spilled product.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

- Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
- Recommended storage temperature: 5-40 °C

Hints on joint storage

- Keep away from food, drink and animal feedingstuffs.
- Do not store with strong oxidizing agents.
- Maximum period of storage (time): 3 Years

7.3. Specific end use(s)

- No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

- The product does not contain any relevant quantities of materials with workplace limit values.

8.2. Exposure controls**Protective and hygiene measures**

- Use personal protection equipment as per Directive 89/686/EEC.

Eye/face protection

- Use glasses or face shield if there is a risk of splashing.

Hand protection

- Protect skin by using skin protective cream. Wear protective gloves if advisable under safety aspects.
- Wash hands before breaks and after work.
- Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0,9-1 mm; CE-certified acc. EN 374 cat III)

Skin protection

- Chemical resistant safety shoes. Take off immediately all contaminated clothing.
- Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

Respiratory protection

- If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid amber
Colour:	coloured
Odour:	characteristic

Test method

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pH-Value:	not applicable
Changes in the physical state Initial boiling point and boiling range:	not determined
Flash point:	>180 °C DIN EN 57
Explosive properties No information available.	
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Oxidizing properties No information available.	
Vapour pressure:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,90 g/cm ³ not EN ISO 12185
Viscosity / dynamic:	determined
Viscosity / kinematic: (at 40 °C)	30 mm ² /s ASTM D 7042

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No known hazardous reactions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Protect against: heat.

10.5. Incompatible materials

The following must be prevented: Oxidizing agents, strong. acid.

10.6. Hazardous decomposition products

Hazardous decomposition products: none

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

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Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67762-38-3	Fatty acids, C16-18 and C18-unsatd., Me esters				
	oral	LD50 >2000 mg/kg	Rat		
92044-87-6	Fatty acids, coco, 2-ethylhexyl esters				
	oral	LD50 >2000 mg/kg	Rat		
	Geschwefelte pflanzliche Fettsäureester, Fettsäuren und Kohlenwasserstoffe Polymer				
	oral	LD50 >2000 mg/kg	RAT		
78-42-2	tris(2-ethylhexyl) phosphate				
	oral	LD50 >2000 mg/kg	Rat		OECDV 401
	inhalation (4 h) vapour	LC50 >447 mg/l	Rat		

Additional information on tests

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the single components.

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
92044-87-6	Fatty acids, coco, 2-ethylhexyl esters					
	Acute fish toxicity	LC50 > 2000 mg/l	96 h	Brachydanio rerio		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Desmodesmus subspicatus		
78-42-2	tris(2-ethylhexyl) phosphate					
	Acute fish toxicity	LC50 101 mg/l	96 h	Oryzias latipes (Ricefish)		OECD 203

12.2. Persistence and degradability

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
78-42-2	tris(2-ethylhexyl) phosphate OECD				
	301B	Product is not easily biodegradable.	0%	28	

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
78-42-2	tris(2-ethylhexyl) phosphate	>6,26

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BCF

CAS No	Chemical name	BCF	Species	Source
78-42-2	tris(2-ethylhexyl) phosphate	9,2-22	Cyprinus carpio (Common Carp)	

12.4. Mobility in soil

in delivery condition: liquid

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

Avoid release to the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of contents/container to an appropriate recycling or disposal facility. Collect in closed containers for disposal. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

SECTION 14: Transport information**Land transport (ADR/RID)**

- 14.1. UN number:** No dangerous good in sense of these transport regulations.
- 14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.
- 14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.
- 14.4. Packing group:** No dangerous good in sense of these transport regulations.

Other applicable information (land transport)

Not restricted

Inland waterways transport (ADN)

- 14.1. UN number:** No dangerous good in sense of these transport regulations.
- 14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.
- 14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.
- 14.4. Packing group:** No dangerous good in sense of these transport regulations.

Other applicable information (inland waterways transport)

Not restricted

Marine transport (IMDG)

- 14.1. UN number:** No dangerous good in sense of these transport regulations.
- 14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.
- 14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.
- 14.4. Packing group:** -

Other applicable information (marine transport)

Not restricted

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** No dangerous good in sense of these transport regulations.
- 1 UN proper shipping name:** No dangerous good in sense of these transport regulations.

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14.3. Transport hazard class(es): No dangerous good in sense of these transport regulations.

14.4. Packing group: -

Other applicable information (air transport)

Not restricted

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Personal protection equipment: see section 8

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

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

2004/42/EC (VOC): 0,3 % (2,7 g/l)

Additional information

@1501.B150213

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Fatty acids, coco, 2-ethylhexyl esters

Geschwefelte pflanzliche Fettsäureester, Fettsäuren und Kohlenwasserstoffe Polymer

tris(2-ethylhexyl) phosphate

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

