Boedal

SAFETY DATA SHEET
ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 830/2015

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

1.1 Product identifier

GHS Product Identifier	Boester BRA 46
EC INDEX No.	305-871-3
CAS No.	95193-59-2
Alternative names	Blown rapeseed oil, Rapeseed Oil 46 mm²/s01-
REACH Registration No.	01-2119491309-30-0004

1.2 Relevant identified uses of the substance or mixture and uses advised against Identified use(s) :

Lubricants

Uses advised against None known.

1.3 Details of the supplier of the safety data sheet

Company Identification

Boedal Ltd
11 Portland Street
Southampton
Hampshire SO14 7EB
United Kingdom

Tel: + 44 (0)2380 089083
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E-Mail (competent person) info@boedal.com

1.4 Emergency telephone number +44(0)2380 089083 Outside office hours + 41 (0)79 343 7534

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP). Not classified as Dangerous according to Regulation (EC) No. 1272/2008 (CLP)

2.2 Label elements None required.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

According to the EC 1907/2006 (REACH) regulation the product is an UVCB substance.
Product/ingredient name : Rape oil, oxidized
Identifiers : CAS no: 95193-59-2 EC no: 305-871-3 Reach no: 01-2119491309-30-0004 100
%: 100
Classification : Classification in accordance with Regulation (EC) No 1272/2008: not classified

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Remove patient from exposure, keep warm and at rest.
Obtain medical attention if ill effects occur.

Skin Contact Remove contaminated clothing. Wash skin with water.
If symptoms develop, obtain medical attention.

Eye Contact Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes.
Obtain medical attention.

Ingestion Do not induce vomiting.
Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed
If skin irritation or rash occurs: Get medical advice/attention.

4.3 Indication of any immediate medical attention and special treatment needed
Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media — As appropriate for surrounding materials/equipment. Foam, dry powder, carbon dioxide

Unsuitable Extinguishing Media — Water.

5.2 Special hazards arising from the substance or mixture
Thermal decomposition will evolve toxic carbon oxides.

5.3 Advice for fire-fighters
A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear suitable gloves and eye/face protection, avoid contact with eyes and skin. Avoid inhalation. Eliminate all ignition sources

6.2 Environmental precautions
Do not allow spillages to enter drains, sewers, or watercourses.

6.3 Methods and material for containment and cleaning up
Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery.

6.4 Reference to other sections
See Section: 8, 13

6.5 Additional information
Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body. If absorbed in special oil absorbers, sawdust or clothes, keep in fire-safe place as self-ignition may occur. Therefore, it is advised to only use inert absorbents.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Provide adequate ventilation (local exhaust), safety showers and eye wash station near the workplace. Do not allow to enter drains, sewers or watercourses. Keep product away from heat, sparks, flame and other sources of ignition. Use earthed equipment.

7.2 Conditions for safe storage, including any incompatibilities
Keep in the original container. Keep container tightly closed in a cool, dry, well-ventilated place. Keep product away from heat, sparks, flame and other sources of ignition and out of direct sunlight.
Packaging material : Plastic; carbon steel; aluminium.

7.3 Specific end use(s)
None

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No Occupational Exposure Limit Assigned

DNEL / DMEL	Oral	Inhalation	Dermal
Industry - Long Term - Local effects	-	-	-
Industry - Long Term - Systemic effects	-	49 mg/m3	69.4 mg/kg
Industry - Short term - Local effects	-	-	-
Industry - Short term - Systemic effects	-	-	-
Consumer. - Long Term - Local effects	-	-	-
Consumer. - Long Term - Systemic effects	8.33 mg/kg bw/day	14.5 mg/m3	41.7 mg/kg
Consumer. - Short term - Local effects	-	-	-
Consumer. - Short term - Systemic effects	-	-	-

Environment	PNEC
Aquatic Compartment (including sediment)	PNEC STP: 10 mg/L; Assessment factor: 10
Terrestrial Compartment	No data
Atmospheric Compartment	No data.

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation where operational procedures demand it. Use appropriate containment to avoid environmental contamination.

Personal Protection

Eye/face protection Safety goggles or full-face shield where splashing is possible.

Skin protection Good working practice suggests protective suit, chemical-resistant gloves and goggles should be worn. The following materials are suitable for protective gloves: Neoprene/nitrile rubber/rubber.
Wash hands and face before breaks and immediately after handling the product. When using, do not eat, drink, or smoke. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

Respiratory protection Due to the extreme low vapor pressure, it is not regarded as needed in any situation.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical

Properties	
Form	liquid
Colour	yellowish / brownish
Odour	no characteristic odour
Boiling Temperature (°C)	n/a; decomposition takes place starting from 350°C
Melting/Freezing Temperature (Deg C)	< -10°C at 1013 hPa
Flash point (°C) (COC)	> 300°C (open cup)
Flammable Limits	Non-flammable.
Auto Ignition Temperature (Deg C)	420°C at 1013 hPa
Explosive Properties	Non-explosive
Vapour Pressure (Pascals)	< 0.0000000133 Pa at 20°C
Relative Density at 20°C	+/- 0.92 g/ml at 20°C
Solubility (Water)	< 1 mg/L at 20°C
Partition Coefficient (n-Octanol/water)	> 6 at 20°C
Viscosity (40°C)	42 – 50 mm²/s
Decomposition Temperature (Deg C)	350°C (623 K)
Additional properties	n/a

9.2 Other information

None

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Non-reactive

10.2 Chemical Stability

Stable at ambient temperatures.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

In very fine dispersion in contact with air possible danger of self-ignition.

10.5 Incompatible materials

Oxidizing agents. Strong acids and strong bases

10.6 Hazardous Decomposition Product(s)

Oxides of carbon

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Test result / data

Acute oral toxicity	LD50: >4985 mg/kg bw (OECD 401)
Acute dermal toxicity	LD50: >2000 mg/kg bw (OECD 402)
Skin irritation.	Not irritating (OECD 431).
Eye damage/irritation	Not irritating (OECD 437)
Skin Sensitization	Not sensitizing (OECD 429).
Germ cell mutagenicity	Non-mutagenic
Mutagenicity	Negative (OECD 471,473,476).
Reproductive toxicity	No reproductive toxicity
Carcinogenicity:	No data
STOT-single exposure	Not toxic for specific target organ
STOT-repeated exposure	Not toxic for specific target organ
Aspiration hazard:	No aspiration hazard.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Fish:	LC50 > 500 mg / L (OECD 203, 96 h)
Daphnia magna:	EC50 > 100 mg/L (OECD 202, 48 h)
Algae:	EL50 > 10 mg/L (OECD 201, 72 h)
Inhibition of microbial activity :	NOEC > 100 mg/L (OECD 209, 3 h)

12.2 Persistence and degradability

Readily biodegradable (OECD 301B)

12.3 Bio-accumulative potential

Octanol-water partition coefficient (Kow):	>6
Bioconcentration factor (BCF):	No data

12.4 Mobility in soil

Absorption coefficient : log Koc > 4.96 at 20°C

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not discharge into drains or the environment, dispose to an authorized waste collection point.

13.2 Additional information

Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not Classified as Dangerous for Transport.

14.1 UN Number:

Not regulated for transport.

14.2 **UN Proper shipping name:**

Not regulated for transport

14.3 **Transport hazard classes:**

Not regulated for transport

14.4 **Packing group:**

Not regulated for transport

15. SECTION 15: REGULATORY INFORMATION

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

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15.2 Chemical Safety Assessment

A Chemical Safety Assessment (CSA) has been completed for this substance.

16. SECTION 16: OTHER INFORMATION

Indication of changes None

LEGEND

PBT Persistent, Bioaccumulative and Toxic
vPvB very Persistent very Bioaccumulative

Further information
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