

Sicherheitsdatenblatt

RME Biodiesel B100

Gemäß Anhang II der Verordnung 1907/2006, 2015/830 und Verordnung 1272/2008

(Alle Verweise auf EU-Verordnungen und -Richtlinien sind nur mit der Nummernbezeichnung abgekürzt)

Änderungsdatum 2023-08-01

Ersetzt das Blatt, das am 2021-02-26 ausgegeben wurde

Revisionsdatum 2021-12-17

Versionsnummer 3.0

Section 1: The name of the substance/mixture and the company/undertaking

1.1 Product designation

| | |
|---------------------------|--|
| Trade name | RME Biodiesel B100 |
| CAS nr | 67762-38-3 |
| EG nr | 267-015-4 |
| REACH registration number | 01-2119489441-34 |
| Other names or synonyms | RME, B100, Rapeseed Methyl Ester, FAME |

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

| | |
|-----------------|--|
| Identified uses | Fuel, Biofuel, Use in surface treatment agents |
|-----------------|--|

1.3 Further information on the supplier of the safety data sheet

| | |
|---------|---|
| Company | Biofuel Express AB Mariebergsgatan 6 SE-261 51 Landskrona Sweden |
| Phone | +46 (0) 418-495 120 |
| Email | mail@biofuel-express.com |
| Company | Biofuel Express A/S Alsvej 21 8940 Randers Denmark |
| Phone | +45 70 26 41 22 |
| Email | mail@biofuel-express.com |

1.4 Telephone number for emergencies

In case of emergency: Call 112, request poison information.

Section 2: Hazardous properties

2.1 Classification of the substance or mixture

This substance is not classified as hazardous under assessment according to 1272/2008.

2.2 Labeling information

| | |
|------------------|----------------|
| Hazard pictogram | Not applicable |
| Signal word | Not applicable |
| Hazard statement | Not applicable |

2.3 Other hazards

This product does not contain any substances assessed as a PBT or vPvB substance.

Section 3: Composition/information on ingredients

3.1 Substances

| Component | Classification | Concentration |
|---|----------------|---------------|
| (C16-C18) AND (C18) UNSATURATED ALKYL CARBOXYLIC ACID METHYL ESTERS | | |
| CAS No: 67762-38-3 EG No: 267-015-4 REACH: 01-2119489441-34 | | ≥99 % |

Explanations of ingredient classification and labeling are provided in Section 16e. Official abbreviations are written in normal font. Specifications and/or additions used in the calculation of the mixture's classification are indicated in italics, see Section 16b.

Section 4: First aid measures

4.1 Description of first aid measures

| | |
|---------------------|---|
| General | If in doubt or if symptoms occur, seek medical advice immediately. Never attempt to give liquids or anything else by mouth to an unconscious person. |
| Inhalation | Move to fresh air and rest. If symptoms persist, seek medical attention. |
| Eye contact | Rinse eyes with lukewarm water for several minutes. If irritation persists, seek medical advice. |
| Skin contact | Normal washing of the skin is considered sufficient; if symptoms occur, contact a doctor. |
| Ingestion | Rinse nose, mouth, and throat with water. Seek medical attention if discomfort persists. |

4.2 Most important symptoms and effects, both acute and delayed

No additional relevant information available.

4.3 Indication of immediate medical attention and special treatment that may be required

Symptomatic treatment.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Extinguish with agents suitable for surrounding fire.

Unsuitable extinguishing media Must not be extinguished with high-pressure water.

5.2 Special hazards arising from the substance or mixture

Hazardous gases (carbon monoxide and carbon dioxide) may form in case of fire.

5.3 Advice for firefighters

Precautionary measures are taken considering other materials at the fire site.
Use fresh air masks in case of fire.
Wear full protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep unauthorized and unprotected personnel at a safe distance.
Avoid inhalation and contact with skin and eyes.
Use recommended protective equipment, see Section 8.
Note the risk of slipping in case of leakage/spillage.
Ensure good ventilation.

6.2 Environmental precautions

Prevent spills from reaching drains, soil, or watercourses.

6.3 Methods and materials for containment and cleaning up

Absorb the liquid with an inert absorbent such as vermiculite, collect the material, and send it for waste disposal.
Clean the contaminated area with an appropriate cleaning agent.

6.4 Reference to other sections

See sections 7, 8, and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Keep this product away from food items and out of reach of children and pets.
Avoid spills, inhalation, and contact with skin and eyes.
Handle in a facility with modern ventilation standards.
Use recommended protective equipment, see Section 8.
Do not eat, drink, or smoke in areas where this product is handled.
Wash hands after handling the product.
Remove contaminated clothing.
Wash contaminated clothing before reuse. Keep away from incompatible products.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of reach of children.
Store separately from food and animal feed, as well as from utensils or surfaces that come into contact with them.
The product should be stored to prevent health and environmental risks. Avoid contact with humans and animals and do not release the product into sensitive environments.
Always use sealed and clearly labeled containers.
Store in tightly closed original packaging.
Store in a well-ventilated area.
Store in a dry and cool place.
Do not store near incompatible materials (see section 10.5).

7.3 Specific end use

Refer to identified uses in Section 1.2.

Section 8: Limitation of exposure/personal protection

8.1 Control parameters

8.1.1 National exposure limits

All ingredients (see Section 3) have no established occupational exposure limits according to AFS 2018:1.

DNEL

(C16-C18) AND (C18) UNSATURATED ALKYL CARBOXYLIC ACID METHYL ESTERS

| | Exposure Type | Exposure Route | Value |
|----------|---------------------|----------------|------------------------|
| Consumer | Chronic Systemic | Inhalation | 23 mg/m ³ |
| Worker | Chronic Systemic | Dermal | 10 mg/kg bw |
| Worker | Chronic Systemic | Inhalation | 6,96 mg/m ³ |
| Consumer | Chronic Systemic | Oral | 5 mg/kg bw |
| Consumer | Chronic Systemic | Dermal | 5 mg/kg bw |

PNEC

(C16-C18) AND (C18) UNSATURATED ALKYL CARBOXYLIC ACID METHYL ESTERS

| | |
|---------------------------|-------------|
| Environmental Target | PNEC Value |
| Freshwater | 2,504 mg/L |
| Seawater | 0,2504 mg/L |
| Wastewater microorganisms | 520 mg/L |
| Intermittent | 25,04 mg/L |

8.2 Limitation of exposure

No special measures required during normal handling and use.

8.2.1 Appropriate technical control measures

Handle in a facility with modern ventilation standards.

Eye/face protection

Eye protection should be worn when there is a risk of direct contact or splashing.

Skin protection

Use protective gloves that comply with EN374 when there is a risk of direct contact.

Wear appropriate protective clothing when necessary.

Respiratory protection

Use suitable respiratory protection in case of inadequate ventilation.

Respiratory protection with combined gas/particle filter (A/P2).

8.2.3 Limitation of environmental exposure

Work with the product in a way that prevents it from entering drains, water bodies, soil, and air.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|--------------------------------|
| a) Physical state | Liquid Form: Liquid |
| b) Colour | Yellowish-green |
| c) Odour | Mild |
| d) Melting point/freezing point | -16.92 to -15.59 °C |
| e) Initial boiling point and boiling range | 348 °C |
| f) Flammability (solid, gas) | Not specified |
| g) Lower and upper explosion limit | Not specified |
| h) Flash point | >101 °C |
| i) Self-ignition temperature | 240 °C |
| j) Decomposition temperature | Not specified |
| k) pH value | Not specified |
| l) Kinematic viscosity | 6,1 mPa·s |
| m) Solubility | Solubility in water: Insoluble |
| n) Partition coefficient n-octanol/water (log value) | Not specified |
| o) Vapour pressure | 4.2 hPa |
| p) Density or relative density | 0.88 g/cm ³ |
| q) Relative vapour density | Not specified |
| r) Particle properties | Not specified |

9.2 Other information

No data available

Section 10: Stability and reactivity

10.1 Reactivity

The product contains no substances that can cause hazardous reactions under normal handling and use conditions.

10.2 Chemical stability

The product is stable under normal storage and use conditions.

10.3 Risk of hazardous reactions

No hazardous reactions known under normal conditions of use.

10.4 Conditions to avoid

Avoid ignition sources and high temperatures.

10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

Avoid contact with strong acids.

Avoid contact with strong bases.

10.6 Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂), and health-hazardous and irritating substances.

Section 11: Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No 1272/2008

Not specified.

Acute toxicity

The product is not classified as acutely toxic.

Corrosive/irritating to skin

The substance is classified as neither corrosive nor irritating to the skin. Mild irritation may occur with prolonged or repeated contact.

Serious eye damage/eye irritation

The substance is classified as neither corrosive nor irritating to the eyes. Mild irritation may occur with prolonged or repeated contact.

Respiratory/skin sensitisation

The product contains no known allergens.

Mutagenicity in germ cells

The product is not classified as mutagenic.

Carcinogenicity

The product is not classified as carcinogenic.

Reproductive toxicity

The product is not classified as reproductive toxic.

Specific target organ toxicity

- single exposure

No known hazards with single exposure.

Specific target organ toxicity

- repeated exposure

No known hazards with repeated exposure.

Hazardous to the aquatic environment

The product is not classified as hazardous to aquatic organisms.

Section 12: Ecological information

12.1 Toxicity

Prevent major releases into soil, water, and sewage systems.

No ecological damage is known or expected under normal use.

(C16-C18) AND (C18) UNSATURATED ALKYL CARBOXYLIC ACID METHYL ESTERS

LC50 Zebrafish (*Brachydanio rerio*) 96h: > 0.26 mg/L

NOEC Algae (*Pseudokirchneriella subcapitata*) 72h: > 0.131 mg/L

12.2 Persistence and degradability

The product is readily biodegradable in nature.

12.3 Bioaccumulative potential

This product or any of its ingredients are not expected to accumulate in nature.

12.4 Mobility in soil

The product has low mobility in soil.

12.5 Results of PBT and vPvB assessment

This product does not contain any substances assessed to be PBT or vPvB substances.

12.6 Other adverse effects

No known effects or hazards.

Section 13: Waste management

13.1 Waste treatment methods

Waste management for the product

Prevent discharge into sewers.

Refer also to waste regulations SFS 2011:927.

The product is not classified as hazardous waste.

Excess, expired, or contaminated product should be disposed of as waste.

Empty, rinsed containers should be recycled where practical.

Observe local regulations or contact the supplier for further information.

Classification according to 2008/98/EC

Recommended waste code: 16 03 06 Other organic waste than specified in 16 03 05

Section 14: Transport information

Unless otherwise stated, the information applies to all modes of transport according to the UN model regulations, i.e., ADR (road), RID (rail), ADN (inland waterways), IMDG (sea transport), and ICAO (IATA) (air transport).

14.1 UN number or ID number

Not classified as dangerous goods

14.2 Official transport name

Not applicable

14.3 Transport hazard class

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions

Not applicable

14.7 Bulk transport at sea according to IMO instruments

Not applicable

14.8 Other transport information

Not applicable

Section 15: Applicable regulations

15.1 Regulations/legislation concerning the substance or mixture regarding safety, health, and the environment

Not specified.

15.2 Chemical safety assessment

A chemical safety assessment has been conducted in accordance with Regulation (EC) 1907/2006 Annex I and is documented in this safety data sheet.

Section 16: Other information

16a. Information about changes made to the previous version

Revisions of this document

Previous versions

2021-02-26 Changes in section 1, 8.

16b. Explanation of abbreviations in the safety data sheet

Explanations of abbreviations in Section 14

| | |
|------|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| RID | Regulation concerning the International Carriage of Dangerous Goods by Rail |
| IMDG | IMDG Code (International Maritime Dangerous Goods Code) |
| ICAO | International Civil Aviation Organization, the international organization for civil aviation (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada) |
| IATA | International Air Transport Association |

16c. References to important literature and data sources

Data sources

Primary data for hazard calculation has primarily been obtained from the official European classification list, 1272/2008 Annex I, updated to 2019-12-17.

Where such data is lacking, documentation underlying the official classification has been used as secondary sources, e.g., IUCLID (International Uniform Chemical Information Database). Information from reputable international chemical companies has been used as tertiary sources, and fourthly, from other available information, e.g., from other suppliers' safety data sheets or from nonprofit organizations, with an expert assessment of the source's credibility. If reliable information has not been found despite this, hazards have been assessed by expertise based on known hazards from similar substances, following the principles of 1907/2006 and 1272/2008.

Full text of regulations mentioned in this safety data sheet

| | |
|-----------|---|
| 1907/2006 | European Parliament and Council Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), |
|-----------|---|

| | |
|------------|--|
| | establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, and Council Directives 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. |
| 2015/830 | Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) |
| 1272/2008 | European Parliament and Council Regulation (EC) No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. |
| 2008/98/EG | European Parliament and Council Directive 2008/98/EC of 19 November 2008 on waste and repealing certain directives. |

16d. Methods for evaluating information referred to in 1272/2008 Article 9 used for classification

The hazards of this mixture have been assessed as an aggregate assessment with the help of expert judgment in accordance with 1272/2008 Annex I, where all available information relevant to determining the hazards of the mixture is weighed, and in accordance with 1907/2006 Annex XI.

16e. A list of relevant hazard and precautionary statements

16f. Advice on appropriate training for employees to protect human health and the environment

Warning of incorrect use

This product is not expected to cause serious harm to people or the environment. However, the manufacturer, distributor, or supplier cannot be held responsible for unusual or criminal use of the product.

Other relevant information

Not specified

Information about this document

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