

Champlor

SAFETY DATA SHEET

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

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

1.1 Product identifier

Product Name RSME / BIODIESEL
Alternative names Methyl Ester of Fatty Acids
Chemical Name Fatty acids, C16-18 and C18 unsaturated, methyl esters
CAS No. 67762-38-3
EC No. 267-015-4
REACH Registration No. 01-2119471664-32-XXXX

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

Identified Use(s) Plasticizer, Diesel engines, Heating fuel. Technical application.
Uses Advised Against None known.

1.3 Details of the supplier of the safety data sheet

Company Identification VALTRIS Champlor
Address of Supplier Z.I. Baleycourt,
55100 VERDUN,
France
Telephone: +33 (0) 3 29 83 32 00
Fax +33 (0) 3 29 86 18 15
E-mail SDS.Champlor@Valtris.com

1.4 Emergency telephone number

Emergency Phone No. +32 / (0)14 58 45 45 (24 hour)
Contact BIG
National Poisons Information Service (Birmingham Centre) +00 448 706 006 266 NHS Direct - 0845 4647 or 111

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.

2.2 Label elements

Product Name RSME / BIODIESEL
Hazard Pictogram(s) None.
Signal Word(s) None.
Hazard Statement(s) None.
Precautionary Statement(s) None.
Additional label requirements None.

2.3 Other hazards

None known.

2.4 Additional information

None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Contains no hazardous ingredients According to Regulation (EC) No. 1272/2008 (CLP).

3.2 Mixtures

Not applicable.

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 10 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.

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5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media

As appropriate for surrounding materials/equipment. Use water with care to avoid possible violent production of steam. Water spray should be used to cool containers.

Unsuitable extinguishing media

None anticipated.

5.2 Special hazards arising from the substance or mixture

Combustible. Combustion or thermal decomposition will evolve irritant vapours.

5.3 Advice for firefighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Wear suitable gloves and eye/face protection. Do not breathe mist/vapours/spray.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Allow product to cool/solidify and pick up as a solid. 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 Also 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.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breathe mist/vapours/spray. Provide adequate ventilation. Do not allow to enter drains, sewers or watercourses.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from strong oxidising agents. Store in original containers. Keep away from heat, hot surfaces and sources of ignition. Protect from frost.

Storage temperature

+15 to +25°C (Freezing Point (°C) : 6)

Storage life

2 years if stored in accordance with advice given above.

Incompatible materials

Strong oxidising agents.

7.3 Specific end use(s)

None.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

No Occupational Exposure Limit assigned.

RSME / BIODIESEL	Oral	Inhalation	Dermal
DNEL / DMEL			
Industry - Long Term - Local effects			
Industry - Long Term - Systemic effects		6.96 mg/m ³	10 mg/kg bw/day
Industry - Short term - Local effects			
Industry - Short term - Systemic effects			
Consumer - Long Term - Local effects			
Consumer - Long Term - Systemic effects	5 mg/kg bw/day	23 mg/m ³	5 mg/kg bw/day
Consumer - Short term - Local effects			
Consumer - Short term - Systemic effects			

RSME / BIODIESEL	PNEC
Environment	
Aquatic Compartment (including sediment)	Fresh water : 10 mg/l , Marine water : 1 mg/l , Micro-organisms (sewage treatment plant) : 0.2 mg/l , Sediment : Not determined
Terrestrial Compartment	Not determined
Atmospheric Compartment	Not determined

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8.2 Exposure controls

8.2.1. Appropriate engineering controls

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

8.2.2. Personal protection equipment

Eye Protection



If splashes are likely to occur: Wear eye/face protection.

Skin protection



Good working practice suggests gloves and goggles should be worn. The following materials are suitable for protective gloves (permeation time \geq 8 hours): Nitrile rubber (0.35mm), Butyl rubber (0.5mm), Poly(vinyl chloride) PVC (0.5mm), Fluorocarbon rubber (0.4mm), Check with protective equipment manufacturer's data.

Respiratory protection



Unsuitable gloves materials : Natural rubber, Polychloroprene

Wear suitable respiratory protective equipment if exposure to high levels of material are likely. A suitable mask with filter type A may be appropriate. Check with protective equipment manufacturer's data.

Thermal hazards



Not applicable.

8.2.3. Environmental Exposure Controls

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

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
	Colour : Pale yellow /Green.
Odour	Mild.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	6.3°C
Initial boiling point and boiling range	354°C
Flash Point	173°C [Closed cup] 185°C (COC) [Open cup]
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	420Pa @ 25°C
Vapour density	Not known.
Density (g/ml)	0.89g/ml @ 20°C
Relative density	Not known.
Solubility(ies)	Solubility (Water) : <0.023mg/l The substance is essentially insoluble in water. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	6.2@ 25°C
Auto-ignition temperature	261°C
Decomposition Temperature (°C)	Not known.
Viscosity	6.1mPa*s @ 20°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2 Other information	
Molecular weight	296
Cloud Point (°C)	<5

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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	Keep away from strong oxidising agents.
10.4 Conditions to avoid	Avoid ingress of moisture by keeping containers properly sealed when not in use.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	Thermal decomposition will evolve irritant vapours. See Section: 5

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	LD50 (rat) : >5000mg/kg bw
Acute toxicity - Skin Contact	LD50 (rat) : >2000mg/kg bw
Acute toxicity - Inhalation	No data available.
Skin corrosion/irritation	Not classified. Repeated and/or prolonged skin contact may cause irritation.
Serious eye damage/irritation	Not classified. May cause eye irritation.
Skin sensitization data	Unlikely to cause skin sensitisation.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	The material did not induce mutagenicity in in-vitro or in-vivo studies.
Carcinogenicity	Unlikely to be carcinogenic .
Reproductive toxicity	No developmental or reproductive effects have been observed in relevant studies.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	NOAEL (rat) 28days : >1000mg/kg bw/day
Aspiration hazard	Not classified.
11.2 Other information	
Respiratory irritation	High concentrations of mist may be slightly irritant to the upper respiratory tract. Thermal decomposition will evolve irritant vapours.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	The substance showed no toxicity to aquatic organisms at the solubility limit.
Toxicity - Fish	EC50 (Daphnia magna) (48 hour) : 2504mg/l
Toxicity - Algae	LC50 (48 hour) : >100000mg/l
Toxicity - Sediment Compartment	EC50 (72 hour) : 73729mg/l
Toxicity - Terrestrial Compartment	Not classified.
12.2 Persistence and Degradation	Not classified.
	Readily biodegradable.
12.3 Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4 Mobility in soil	The substance is predicted to have low mobility in soil. The substance is predicted to have low mobility in sediment
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Do not discharge into drains or the environment, dispose to an authorised 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 hazardous for transport.

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15. SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed.

REACH: ANNEX XIV list of substances subject to authorisation Not listed.

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed.

Community Rolling Action Plan (CoRAP) Not listed.

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed.

Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer Not listed.

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed.

National regulations

Germany Wassergefährdungsklasse (WGK) Kenn-Numm : 834 WGK class 1 (official).

15.2 Chemical Safety Assessment

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

15.3 Inventory Status

None.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND

Hazard Pictogram(s) None.

Hazard Statement(s) None.

Precautionary Statement(s) None.

Acronyms

CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
STOT : Specific Target Organ Toxicity
vPvB : very Persistent and very Bioaccumulative

Key Literature References

Chemical Safety Report: Fatty acids, C16-18 and C18 unsaturated, methyl esters 24/7/2010
GESTIS - database on hazardous substances

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