

SAFETY DATA SHEET



Product name: Rape methyl ester, distilled

Date of print: 2021-01-06

Version: 4.4, Date of issue: 02.01.2021

Date of previous issue: 08.10.2020

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

1.1. Product identifier

Product name:

Rape methyl ester, distilled

Substance name Fatty acids, rape-oil, Me esters

REACH-registration No 01-2119471664-32

Identification numbers

CAS 85586-25-0

EG 287-828-8

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

Relevant identified uses

Main use category

Industrial use.

Titel	Life cycle stage	Use descriptors
General overview of Industrial uses of EBB REACH consortium related substances	Industrial	SU1, SU2a, SU2b, SU3, SU5, SU6a, SU6b, SU7, SU8, SU9, SU10, SU11, SU12, SU13, SU14, SU15, SU16, SU17, SU18, PC1, PC2, PC3, PC4, PC7, PC8, PC9a, PC9b, PC9c, PC11, PC12, PC14, PC15, PC16, PC17, PC18, PC19, PC20, PC21, PC23, PC24, PC25, PC26, PC27, PC28, PC29, PC30, PC31, PC32, PC33, PC34, PC35, PC36, PC39, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC12, PROC13, PROC14, PROC15, PROC17, PROC18, PROC19, PROC20, PROC21, PROC22, PROC23, PROC24, PROC25, ERC1, ERC2, ERC3, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ERC8a, ERC8b, ERC8c, ERC8d, ERC8e, ERC8f, ERC9a, ERC9b, ERC10a, ERC10b, ERC11a, ERC11b
General overview of Professional uses of EBB REACH consortium related substances	Commercial	SU22, PC13, PC27, PROC8a, PROC8b, PROC9, PROC11, ERC8a, ERC8d, ERC9b
General overview of Consumer uses of EBB REACH consortium related substances	Consumer	SU21, PC13, PC27, ERC8a, ERC8d, ERC9b
General overview of Manufacturing uses of EBB REACH consortium related substances		SU3, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC12, PROC13, PROC14, PROC15, PROC17, PROC18, PROC19, PROC20, PROC21, PROC22, PROC23, PROC24, PROC25, ERC1, ERC2, ERC3, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ERC8a, ERC8b, ERC8c, ERC8d, ERC8e, ERC8f, ERC9a, ERC9b, ERC10a, ERC10b, ERC11a, ERC11b

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General overview of Formulation uses of EBB REACH consortium related substances	SU3, PC1, PC2, PC3, PC4, PC7, PC8, PC9a, PC9b, PC9c, PC11, PC12, PC13, PC14, PC15, PC16, PC17, PC18, PC19, PC20, PC21, PC23, PC24, PC25, PC26, PC27, PC28, PC29, PC30, PC31, PC32, PC33, PC34, PC35, PC36, PC39, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC12, PROC13, PROC14, PROC15, PROC17, PROC18, PROC19, PROC20, PROC21, PROC22, PROC23, PROC24, PROC25, ERC1, ERC2, ERC3, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ERC8a, ERC8b, ERC8c, ERC8d, ERC8e, ERC8f, ERC9a, ERC9b, ERC10a, ERC10b, ERC11a, ERC11b
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Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier

SysKem Chemie GmbH
Brucknerweg 26
D-42289 Wuppertal

Telephone +49 (0) 202 / 30999510
E-mail info@syskem.de

1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, Tel. +49 761 19240.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements

Hazard pictograms

Not applicable.

Signal word

Not applicable.

Hazard statements

Not applicable.

Precautionary statements

Not applicable.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII



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SECTION 3: Composition/information on ingredients**3.1. Product type****Substance type** UVCB-Stoff

Name	Identification numbers	%
Fatty acids, rape-oil, Me esters	(CAS-No) 85586-25-0 (EG No) 287-828-8 (REACH-No) 01-2119471664-32	100

3.2 Mixture

Not applicable.

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

If you feel unwell, seek medical advice.

Inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

Skin contact:

Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

Eye contact:

Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.

Ingestion:Rinse mouth with water. Call Poison Information Centre (www.who.int/ipcs/poisons/centre/directory/en). Consult a doctor/medical service if you feel unwell.**4.2. Most important symptoms and effects, both acute and delayed**

No supplementary information available.

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

No supplementary information available.

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

AFFF foam. BC powder. Carbon dioxide. Dry sand. Dry chemical powder. Adapt extinguishing media to the environment..

Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture**Fire hazard**

DIRECT FIRE HAZARD. Combustible. INDIRECT FIRE HAZARD. Heating increases the fire hazard. Temperature above flashpoint: higher fire/explosion hazard.



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Explosion hazard

No supplementary information available.

Reactivity

On burning: release of (carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

No supplementary information available.

SECTION 6: Accidental release measures

General measures

Mark the danger area. Exposure to heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes.

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No additional information available.

For emergency responders

No additional information available.

6.2. Environmental precautions

Prevent soil and water pollution.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up

Clean contaminated surfaces with an excess of water and soap solution. Take up liquid spill into inert absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone.

Other information

No supplementary information available.

6.4. Reference to other sections

No supplementary information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling temperature:

≥ 10 °C above melting point.

7.2. Conditions for safe storage, including any incompatibilities

Prohibitions on mixed storage

KEEP SUBSTANCE AWAY FROM: ignition sources. (strong) acids. (strong) bases.

Storage area

Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.

Special rules on packaging

SPECIAL REQUIREMENTS: closing. Correctly labelled. Meet the legal requirements.



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Packaging materials

No supplementary information available.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No additional information available.

8.2. Exposure controls**Personal protective equipment**

Gloves. Protective clothing. Safety glasses.

Materials for protective clothing

GIVE GOOD RESISTANCE: nitrile rubber.

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

Physical state	Liquid
Appearance (room temperature)	Liquid.
Color	Yellow to amber
Odour	Characteristic odour. Mild odour.
Odour threshold	Not determined.
pH	No data available
Melting point	ca. -10 °C
Freezing point	ca. -8 °C
Boiling point	> 150 °C
Flash point	ca. 180 °C (ASTM D92)
Flammability	Not determined
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Oxidizing properties	No
Vapour pressure/gas pressure	No data available
Relative Density	No data available
Density	ca. 878,9 kg/m ³ (20°C) ca. 866,6 kg/m ³ (40°C) ca. 829,7 kg/m ³ (100°C)
Bulk density [kg/m³]	Not applicable
Solubility	No data available
Log Pow	5,02 (OECD 117)
Viscosity, kinematic	ca. 4,2 mm ² /s @40°C
Relative vapour density determined in air	No data available
Evaporation speed	No data available
Autoignition temperature [°C]	> 250 °C
Decomposition temperature	No data available t

9.2. Other information

VOC content	< 3 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)
Other properties	Soluble in oils/fats. Soluble in most organic solvents. Poorly soluble in water.



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SECTION 10: Stability and reactivity

10.1. Reactivity

On burning: release of (carbon monoxide - carbon dioxide).

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available.

10.4. Conditions to avoid

No supplementary information available.

10.5. Incompatible materials

No supplementary information available.

10.6. Hazardous decomposition products

No supplementary information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity (Oral)	Not classified
Acute toxicity (Dermal)	Not classified
Acute toxicity (by inhalation)	Not classified

Rapsmethylester, destilliert (85586-25-0)
LD50 oral rat > 2000 mg/kg

Skin corrosion/irritation
Not classified.

Serious eye damage/irritation
Not classified.

Respiratory or skin sensitisation
Not classified.

Germ cell mutagenicity
Not classified.

Carcinogenicity
Not classified.

Reproductive toxicity
Not classified.

Specific target organ toxicity (single exposure)
Not classified.

Specific target organ toxicity (repeated exposure)
Not classified.



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Aspiration hazard

Not classified.

SECTION 12: Ecological information

12.1 Toxicity

Ecology - General: Literature does not declare environmentally hazardous.
Ecology - Air: No additional information available.
Ecology - Water: Bioaccumulation data not available

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

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

Rapsmethylester, destilliert (85586-25-0)
Log Pow: 5,02 (OECD 117)

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII .
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

12.6 Other adverse effects

No supplementary information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal

Prevent dispersion by covering with dry absorbent. Scoop solid spill into closing containers. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water and soap solution. Wash clothing and equipment after handling.

Regional legislation (waste)

No supplementary information available.

Ecology - waste materials

Do not discharge into drains or the environment. Remove to an authorized waste treatment plant.

EURAL code

No supplementary information available.



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SECTION 14: Transport information

14.1 UN number

Not subject to transport regulations.

14.2 UN proper shipping name

Not relevant

14.3 Transport hazard class(es)

Not relevant

14.4 Packing group

Not relevant

14.5 Environmental hazards

No (Not environmentally hazardous according to the dangerous goods regulations)

14.6 Special precautions for user

There are no additional details.

14.7 Transport in bulk according to Annex II of MARPOL73/78 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 REGULATIONS

No REACH Annex XVII restrictions
The Product is not on the REACH Candidate List
The Product is not on the REACH Annex XIV List

The Product is not subject to Regulation (EU) 649/2012 on the export and import of dangerous chemicals
The Product is not subject to Regulation (EU) 2019/1021 on persistent organic pollutants

VOC content

< 3 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)

Extra phrases

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.



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NATIONAL REGULATIONS

Chemical inventories

Listed on AICS, DSL, ECST, ENCS, IECSC, KECL, NZIoC, PICCS, TSCA, EC inventories

Listed on ECST (Existing Chemical Substances Inventory of Taiwan)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Germany

Reference to AwSV

Water hazard class (WGK) 1, low hazard to waters

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2. Chemical Safety Assessment

The chemical safety assessment has been carried out, an exposure scenario is not applicable (substance is not classified).

SECTION 16: Other information

CAS Equivalent:

73891-99-3

Chem. inventories legend

AICS = Australian Inventory of Chemical Substances

DSL = Canadian Domestic Substances List

ECL = Korean Existing Chemical List

ECST = Existing Chemical Substances Inventory of Taiwan

ENCS = Japanese Existing and New Chemicals Substances List

IECSC = Inventory of Existing Chemicals Substances in China

NZIoC = New Zealand Inventory of Chemicals PICCS = Philippine Inventory of Chemicals and Chemical Substances

TSCA = USA Toxic Substances Control Act

EC inventories = European Community inventories of chemicals (EINECS/ELINCS/NLP/REACH)

SDS changed sections

Section 1

Training advice

No supplementary information available.

Other information

No supplementary information available.

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