

## 1. Identification

**1.1. Product identifier**
**Product Identity**

Biodiesel

**Alternate Names**

Biodiesel, B100; Fatty Acid Alkyl Esters; Fatty Acid Methyl Ester; Methyl Soyate; Methyl Tallowate; Rapeseed Methyl Ester (RME)

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

Blending with Distillates.

**1.3. Details of the supplier of the safety data sheet**
**Company Name**

 Guttman Renewables  
 200 Speers Street  
 Belle Vernon, PA 15012  
 United States  
[www.guttmanenergy.com/renewables](http://www.guttmanenergy.com/renewables)  
[safety@guttmangroup.com](mailto:safety@guttmangroup.com)
**Emergency**
**24 hour Emergency Telephone No.**

1-800-535-5053 - INFOTRAC

**Customer Service: Guttman Renewables**

## 2. Hazard(s) identification

**2.1. Classification of the substance or mixture**

No applicable GHS categories.

**2.2. Label elements**

No applicable GHS categories.

**[Prevention]**

No GHS prevention statements

**[Response]**

No GHS response statements

**[Storage]**

No GHS storage statements

**[Disposal]**

No GHS disposal statements

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
<b>B100; Fatty Acid Alkyl Esters; Fatty Acid Methyl Ester; Methyl Soyate; Methyl Tallowate; Rapeseed Methyl Ester (RME)</b> <b>CAS Number: Proprietary</b>	100	Not Classified	----

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

## Section 4. First aid measures

### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	
<b>Overview</b>	No specific symptom data available. Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

In case of fire use media as appropriate for surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

### 5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

Some may burn but none ignite readily.

Move containers from fire area if you can do it without risk. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

**ERG Guide No.** ---

## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Stop leak if you can do it without risk.

**SMALL SPILLS:** Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

**LARGE SPILLS:** Dike far ahead of liquid spill for later disposal.

## Section 7. Handling and storage

**7.1. Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]

**7.2. Conditions for safe storage, including any incompatibilities**

Incompatible materials: No data available.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]

**7.3. Specific end use(s)**

No data available.

## Section 8. Exposure controls / personal protection

**8.1. Control parameters**

		Exposure	
CAS No.	Ingredient	Source	Value
Proprietary	B100; Fatty Acid Alkyl Esters; Fatty Acid Methyl Ester; Methyl Soyate; Methyl Tallowate; Rapeseed Methyl Ester (RME)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

**8.2. Exposure controls**
**Respiratory**

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Eyes**

Protective safety glasses recommended

**Skin**

Protective gloves recommended.

**Engineering Controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices**

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details.

## Section 9. Physical and chemical properties

**9.1. Information on basic physical and chemical properties**
**Appearance**

Color: Pale Yellow    Physical State: Liquid

**Odor**

Mild

**Odor threshold**

Not determined

**pH**

Not Measured

**Melting point / freezing point**

Not Measured

**Initial boiling point and boiling range**

536 °F (280 °C)

**Flash Point**

> 226 °F (> 107.7778 °C )

**Evaporation rate (Ether = 1)**

Not Measured

**Flammability (solid, gas)**

Not Applicable

**Upper/lower flammability or explosive limits**

**Lower Explosive Limit:** Not Measured

**Vapor pressure (Pa)**  
**Vapor Density**  
**Relative Density**  
**Solubility in Water**  
**Partition coefficient n-octanol/water (Log Kow)**  
**Auto-ignition temperature**  
**Decomposition temperature**  
**Viscosity (cSt)**  
**Volatile by Weight**  
**% Volatile (by volume)**

**Upper Explosive Limit:** Not Measured  
 Not Measured  
 > 1 Air=1  
 0.87 to 0.89 Water=1  
 Negligible < 0.1 %  
 Not Measured  
 Not Measured  
 Not Measured  
 Not Measured  
 < 2 %  
 < 2 %

**9.2. Other information**

No other relevant information.

## Section 10. Stability and reactivity

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

No hazardous decomposition data available.

## Section 11. Toxicological information

**Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
B100; Fatty Acid Alkyl Esters; Fatty Acid Methyl Ester; Methyl Soyate; Methyl Tallowate; Rapeseed Methyl Ester (RME) - (Proprietary)	No data available	No data available	No data available	No data available	No data available

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
Proprietary	B100; Fatty Acid Alkyl Esters; Fatty Acid Methyl Ester; Methyl Soyate; Methyl Tallowate; Rapeseed Methyl Ester (RME)	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable

Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## Section 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
B100; Fatty Acid Alkyl Esters; Fatty Acid Methyl Ester; Methyl Soyate; Methyl Tallowate; Rapeseed Methyl Ester (RME) - (Proprietary)	Not Available	Not Available	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

**Section 14. Transport information**

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No;		
<b>14.6. Special precautions for user</b>	Not Applicable		

**Section 15. Regulatory information**

**Regulatory Overview**    The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act ( TSCA)**    All components of this material are either listed or exempt from listing on the TSCA Inventory.

**EPCRA 302 Extremely Hazardous:**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**  
This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

<b>Section 16. Other information</b>
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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

Not Applicable

Prepared By:

Quantum Compliance

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Revised Sections:

The following sections have been updated:

Section 1 to 16

End of Document