

# SAFETY DATA SHEET



Revision: 3.0 Date: 14 April 2021

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

**Biodiesel**

## SECTION 1: IDENTIFICATION

### Product identifier

Product name Biodiesel  
CAS No 67784-80-9

### Other means of identification

#1 Bio-Diesel, #2 Bio-Diesel, Fatty Acid Methyl Esters (FAME)

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

Identified Use(s) Blend component in diesel, fuel.  
Uses advised against Anything other than the above.

### Details of the supplier of the safety data sheet

Supplier Vitol Inc.  
2925 Richmond Ave, 11th Floor  
Houston, TX 77098  
Telephone (713) 230-1000  
Fax 713-230-1185  
E-mail (competent person) SDSHOU@vitol.com

### Emergency telephone number

Emergency Phone No. Chemtrec: US/Canada: 1-800-424-9300 (24h)  
Mexico: 800 681 9531 (24h)

## SECTION 2: HAZARD(S) IDENTIFICATION

### Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200

Physical hazards Not classified as hazardous for supply/use.  
Health hazards Not classified as hazardous for supply/use.  
Environmental hazards Not classified as hazardous for supply/use.

### Label elements

Hazard Pictogram(s) None assigned  
Signal Word(s) None assigned  
Hazard Statement(s) None assigned  
Precautionary Statement(s) None assigned

### Other hazards

None known

### Percent of the mixture consists of ingredient(s) of unknown acute toxicity:

0% of the mixture consists of ingredients of unknown acute inhaled toxicity.  
0% of the mixture consists of ingredients of unknown acute oral toxicity.  
0% of the mixture consists of ingredients of unknown acute dermal toxicity.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

Classification: OSHA HCS (29 CFR 1910.1200)

Chemical identity of the substance	%W/W	CAS No.	EC No.
Biodiesel B100	100	67784-80-9	267-055-2

## SECTION 4: FIRST AID MEASURES



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## Description of first aid measures

Self-protection of the first aider

Ensure adequate ventilation. Avoid breathing vapours. Wear suitable protective clothing and gloves. Avoid contact with skin and eyes. Contaminated clothing should be laundered before reuse. Do not ingest. If swallowed then seek immediate medical assistance.

Inhalation

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion

Rinse mouth. Get medical advice/attention if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

No specific effects and/or symptoms have been reported or known.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

Notes to a physician: IF ON SKIN: Heated product may cause burns. If burn is present, treat as thermal burn, after decontamination.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media

As appropriate for surrounding fire.

Unsuitable extinguishing media

Do not use water jet. Direct water jet may spread the fire.

**Special hazards arising from the substance or mixture**

Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Combustion may cause toxic fumes. (Carbon monoxide, Carbon dioxide).

### Advice for firefighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Caution - spillages may be slippery. Eliminate sources of ignition. Shut off leaks if without risk. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing vapours. Do not ingest. If swallowed then seek immediate medical assistance.

**Methods and material for containment and cleaning up**

Provided it is safe to do so, isolate the source of the leak. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Do not ingest. If swallowed then seek immediate medical assistance.

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

Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.

Storage temperature

Keep cool. Protect from sunlight.

Incompatible materials

Strong oxidising agents.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

(No Occupational Exposure Limit assigned.)

No substance specific American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs)

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No substance specific Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs)  
No substance specific National Institute for Occupational Safety and Health (NIOSH) Recommended exposure limits (RELs)

## Biological exposure indices

Not established

## Appropriate engineering controls

Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.

## Individual protection measures, such as personal protective equipment

Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke at the work place.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

### Eye/ face protection



Use eye protection according to EN 166, designed to protect against liquid splashes.

### Skin protection



Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse.

### Respiratory protection



Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Amber / Pale yellow liquid
Odour	Slight
Odour threshold	Not determined
pH	Neutral
Melting point/freezing point	Not determined
Initial boiling point and boiling range	200 °C
Flash point	Closed cup >230 °C. (Estimated)
Evaporation rate	Not determined
Flammability (solid, gas)	Not applicable - Liquid
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	<2 mmHg
Vapour density	>1 (Air=1)
Relative density	Not determined
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined

### Other information

Specific Gravity	0.88 (Water=1)
Volatility	Low

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## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No hazardous reactions known if used for its intended purpose.
<b>Conditions to avoid</b>	Keep cool. Protect from sunlight.
<b>Incompatible materials</b>	Strong oxidising agents.
<b>Hazardous decomposition products</b>	Carbon monoxide, Carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects</b>	
<b>Acute toxicity - Ingestion</b>	Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
<b>Acute toxicity - Inhalation</b>	Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
<b>Acute toxicity - Skin contact</b>	Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 5 mg/L (Vapour)
<b>Skin corrosion/irritation</b>	Based upon the available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Based upon the available data, the classification criteria are not met.
<b>Respiratory or skin sensitisation</b>	Based upon the available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based upon the available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based upon the available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based upon the available data, the classification criteria are not met.
<b>STOT - single exposure</b>	Based upon the available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based upon the available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based upon the available data, the classification criteria are not met.
<b>Information on likely routes of exposure</b>	
Inhalation	Possible – accidental exposure
Ingestion	Possible – accidental exposure
Skin contact	Possible – accidental exposure
Eye contact	Unlikely – accidental exposure
<b>Early onset symptoms related to exposure</b>	None known
<b>Delayed health effects from exposure</b>	None known
<b>Exposure levels and health effects</b>	See Section: 8
<b>Interactive effects</b>	None known
<b>Other information</b>	
OSHA Designated Carcinogen	Not listed
NIOSH Occupational Carcinogen List	Not listed
NTP Report on Carcinogens	Not listed
IARC Monographs	Not listed

## SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity</b>	Based on available data, the classification criteria are not met.
<b>Persistence and degradability</b>	No data
<b>Bioaccumulative potential</b>	No data
<b>Mobility in soil</b>	No data
<b>Other adverse effects</b>	None known

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation.
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## SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	Road/rail (ADR/RID)	Sea transport (IMDG)	Air (ICAO/IATA)
<b>UN number</b>	Not applicable	Not applicable	Not applicable
<b>UN proper shipping name</b>	Not applicable	Not applicable	Not applicable
<b>Transport hazard class(es)</b>	Not applicable	Not applicable	Not applicable
<b>Packing group</b>	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>	Not applicable	Not classified as a Marine Pollutant.	Not applicable
<b>Special precautions for user</b>	See Section: 2		
<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable		

## SECTION 15: REGULATORY INFORMATION

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

### US Federal Regulations

TSCA Inventory	Listed
TSCA Chemical Data Reporting (CDR) Rule	Listed
NIOSH Occupational Carcinogen List	Not listed
EPCRA Section 313	Not listed
CWA 307- Toxic	Not listed
CERCLA - Hazardous Substances	Not listed
CWA Section 311 List of Hazardous Substances	Not listed

### US State Regulations

Proposition 65 (California)	Not listed
Massachusetts, New Jersey, Pennsylvania, Rhode Island- State Right to Know Lists	Not listed
New York -State Right to Know Lists	Not listed
Minnesota - State Right to Know Lists	Not listed
Massachusetts – Toxic Use reduction act	Not listed

### Non-Regional

IARC Monographs	Not listed
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## SECTION 16: OTHER INFORMATION

**The following sections contain revisions or new statements:** Updated substance / mixture classification. Updated version and date. New format has been issued, all sections have been updated to include new information. Review SDS with care.

<b>Version</b>	3.0
<b>Revision Date</b>	14 April 2021
<b>Date of First Issue</b>	Not available. 2 <sup>ND</sup> ISSUE RELEASED JUNE, 15 2015

This Safety Data Sheet was prepared in accordance with US Regulation OSHA HCS (29 CFR 1910.1200)

### References:

Existing Safety Data Sheet (SDS),  
EU ECHA registration dossier for Biodiesel B100 (CAS. 67784-80-9).

The substance/mixture is not classified in accordance with OSHA HCS (29 CFR 1910.1200)

### Legend

ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
BCF	Bioconcentration factor (BCF)
CAS	CAS: Chemical Abstracts Service
DNEL	Derived no effect level

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EC	EC: European Community
EU	European Union
IATA	IATA: International Air Transport Association
ICAO/IATA	ICAO: International Civil Aviation Organization / IATA: International Air Transport Association
IMDG	IMDG: International Maritime Dangerous Goods
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
UN	United Nations
vPvB	very Persistent and very Bioaccumulative

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

## Disclaimers

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