

Biodiesel B100

Materials Safety Data Sheet

Issue date: 01/11/04

SECTION I

IDENTITY

Trade Name **SUNDANCE RENEWABLES B100**

CHEMICAL IDENTITY

Fatty Acid Methyl Esters **FAME**

APPLICATION

Biofuel for compression ignition diesel engines

SECTION II

PHYSICAL DATA

Boiling Point	@760 mm Hg	Over 400° F	Specific Gravity @25/25 C	0.86	(H2O = 1.0)
Vapor Pressure	72° F	Less than 1 mm Hg	Percent Volatile by Volume (%)		Not known
Vapor Density	Not Known		Evaporation Rate		Not known
Solubility in Water	72° F	Negligible			

SECTION III

FLAMMABILITY & EXPLOSIVENESS DATA

Flash Point (Method)	>300° F (PMCC)	Explosive Limits	(Lower) N/A	(Upper) N/A
Extinguishing Media	Use CO 2 or dry chemical for small fires. Use foam for large fires. DO NOT USE WATER JETS.			
Special Fire Fighting procedures	Fire should be tackled by trained personnel only. Wear self-contained breathing apparatus and protective clothing			
Unusual Fire and Explosive Hazards	Oily rags and other combustibles will start fires due to spontaneous Combustion. Store oily rags and other combustibles in approved containers.			

SECTION IV

HEALTH & SAFETY DATA

Threshold Limit Value Not established

Effects of Overexposure

EYE - Accidental exposure to the eyes may produce a mild but transient irritation.
SKIN - Very mild to no irritation expected, but prolonged exposure may lead to dermatitis.
INHALATION - No harmful effects expected with normal use. Over exposure to vapour, Mists or fumes may cause irritation to eyes, nose and throat and may also cause giddiness and influence the central nervous system.
INGESTION - Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause gastrointestinal irritation. Will injure the lungs if aspiration occurs, e.g. During vomiting.

Emergency and First Aid Procedures

EYE - Immediately flush eyes with plenty of water. Get medical attention if irritation persists.
SKIN - Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation persists.
INHALATION - Remove to fresh air
INGESTION - If swallowed, do not induce vomiting. Get medical attention.
Never give anything by mouth to an unconscious person.

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SECTION V **REACTIVITY DATA**

Incompatibility (Materials to Avoid)

Reacts with strong base to produce methanol.

Hazardous Decomposition Products

Does not decompose up to 350° F

SECTION VI **SPILL OR LEAK PROCEDURES**

This product is biodegradable, and there is no indication that bioaccumulation will occur

Steps to be taken in case material is released or spilled.

Neutralization not required. Soak up with absorbent material such as paper, rags, or Sawdust. Dispose as any grease or oily material.

Waste Disposal Method

Dispose of by incineration or other suitable means under conditions approved under the Environment Protection Act Duty of Care Regulations where they apply..

SECTION VII **PROTECTION INFORMATION**

Respiratory Protection A NIOSH/MSHA approved respirator should be used if a mist or vapour is generated.

Ventilation	Local Exhaust	
	Mechanical (General)	Acceptable
	Special	
	Other	

Eye Protection	Goggles	Protective Gloves – Nitrile
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Other Protective Equipment	None required.
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SECTION VIII **PRECAUTIONS**

HANDLING AND STORAGE Store and dispense only in well ventilated areas, away from heat and sources of ignition. Can be stored in most common storage vessels including carbon steel, aluminium, fiberglass and stainless Steel

LABELING	None required.
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