

# EU Material Safety Data Sheet

## According to 91/155 EC & 93/112 EWG

Printing date 23.06.2006

Reviewed on 7.03.2005

### 1. Identification of substance:

**Product details:**· **Trade name:** \_\_\_\_\_**Synonyms:** Biofuel oil· **Manufacturer/Supplier:**

Tel:

Fax:

E-Mail: \_\_\_\_\_

· **Informing department:** Product technical department· **Emergency information:**

### 2. Composition / Data on components:

· **Chemical characterisation:** Mixture of methyl Esters from lipid sources and Polymerised fatty acids· **CAS No. Designation:** 61788-61-2 (methyl tallowate) 68082-35-9 (methyl soyate)

### 3. Hazards identification:

**Inhalation:** Negligible (volatiles removed during distillation process)**Eye Contact:** May cause irritation. Irrigate with water for 15 minutes. Seek medical attention if symptoms persist.**Skin Contact:** Prolonged or repeated contact is not likely to cause skin irritation.**Ingestion:** No hazards anticipated from ingestion incidental to industrial exposure.

### 4. First aid measures

- **General information** No special measures required.
- **After inhalation** No special measures required.
- **After skin contact** Generally the product is not skin irritating, wash with soap and water.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Remove material from mouth. Drink plenty of water. If large quantity swallowed or symptoms develop consult doctor.

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#### 5. Fire fighting measures

- **Suitable extinguishing agents** Use water, alcohol resistant foam, CO<sub>2</sub> or dry chemical
- **Protective equipment:** Fire fighters should use self-contained breathing apparatus to avoid exposure to smoke and vapour.

#### 6. Accidental release measures

- **Person-related safety precautions:** Respirator, suitable gloves and eye and face protection
- **Measures for environmental protection:**  
Minimise product entering drainage system, surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous materials are released.

#### 7. Handling and storage

- **Handling**
- **Information for safe handling:** Stored at temperature 60-80°C. Wear appropriate protective Equipment to prevent burns.
- **Information about protection against explosions and fires:** Keep away from excessive heat and oxidizing agents.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in ventilated areas
- **Further information about storage conditions:** Must be stored in heated and lagged tank 60-80°C.

#### 8. Exposure controls and personal protection

- If vapours or mists are generated, wear approved organic vapour/mist respirator
- **Personal protective equipment**  
Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing  
PVC coated gloves recommended to prevent skin contact
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required if the product is used appropriately
- **Eye protection:** By appropriate application not required

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### 9. Physical and chemical properties:

- **Form:** Fluid/solid at room temperature
- **Colour:** Dark brown liquid/solid
- **Odour:** slight tallow/vegetable oil odour
- **Change in condition**
- **Melting point:**
- **Boiling point/Boiling range:** 0.01-0.02 mbar vacuum: Approx. 170 °C
- **Flash point:** >190°C
- **Danger of explosion:** Product is not explosive.
- **Density at 20°C** 0.943 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** Totally immiscible
- **Organic solvents:** miscible in acetone

### 10. Stability and reactivity

- **Thermal decomposition/ Conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** Carbon Dioxide, Carbon Monoxide and thick smoke.

### 11. Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitisation:** No sensitizing effect known.

### 12. Ecological information

**General notes:**

Water hazard: slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Persistence: Readily Biodegradable

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#### 13. Disposal considerations

- **Product:**
- **Recommendation:** Disposal must be made according to official regulations.

#### 14. Transport information

- **Land transport ADR/RID (cross-border):** Not Classified
- **Maritime transport IMDG:** Not Classified
- **Marine pollutant:** No

#### 15 Regulatory information

- **Designation according to EC guidelines:**  
The material is not subject to classification according to EC lists and other sources of literature known to us.  
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials.  
Observe the normal safety regulations when handling chemicals

#### 16. Other information:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his their own particular use.