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|   |  | Revision nr : 3.0       |
|   | <b>Fatty acids, vegetable-oil, Me esters</b> | Issue date : 24/01/2018 |
|   |  | Supersedes : 22/08/2016 |

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

### 1.1. Product identifier

Product form : Substance  
Trade name/designation : Fatty acids, vegetable-oil, Me esters  
Chemical name : Fatty acids, vegetable-oil, Me esters  
EC-No. : 273-606-8  
CAS-No. : 68990-52-3  
REACH registration No : 01-2119485821-32-0051  
Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Fuels

#### 1.2.2. Uses advised against

No data available

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

Trafigura Ventures V.B.V.  
Evert van de Beekstraat 1-82  
The Base, Tower B - 5th Floor  
1118 CL Schiphol - The Netherlands  
T +31 20 504 1800  
[TrafiguraReach@trafigura.com](mailto:TrafiguraReach@trafigura.com)

### 1.4. Emergency telephone number

Emergency number : +32 3 575 03 30  
This telephone number is available 24 hours per day, 7 days per week.

| Country        | Official advisory body   | Address   | Emergency number   |
|----------------|--|---|--|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital   | Beaumont Hospital Beaumont Road<br>9 Dublin                 | +353 1 809 21 66 (public,<br>8am - 10pm, 7/7)<br>+353 01 809 2566<br>(Professionals, 24/7) |
| United Kingdom | National Poisons Information Service<br>(Newcastle Centre)<br>Regional Drugs and Therapeutics Centre, Wolfson Unit | Claremont Place<br>Newcastle-upon-Tyne<br>NE1 4LP Newcastle | 0844 892 0111 (UK only,<br>24/7, healthcare<br>professionals only)                         |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture


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

Not classified

### 2.2. Label elements

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

Not applicable.

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### **2.3. Other hazards**

Other hazards : PBT/vPvB data. This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

## **SECTION 3: Composition/information on ingredients**

### **3.1. Substances**

Substance name : Fatty acids, vegetable-oil, Me esters  
CAS-No. : 68990-52-3  
EC-No. : 273-606-8

| Substance name                        | Product identifier   | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------------------|--|-----|---|
| Fatty acids, vegetable-oil, Me esters | (CAS-No.) 68990-52-3<br>(EC-No.) 273-606-8<br>(EC Index) -<br>(REACH-no) 01-2119485821-32-0051 | 100 | Not classified  |

Full text of H-statements: see section 16

### **3.2. Mixtures**

Not applicable

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

Additional advice : Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.

Inhalation : Keep at rest. Provide fresh air. Give oxygen or artificial respiration if necessary.

Skin contact : Wash with plenty of water/. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

Eyes contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

Ingestion : Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

### **4.2. Most important symptoms and effects, both acute and delayed**

Inhalation : Effects of breathing high concentrations of vapour may include: Cough.

Skin contact : Prolonged skin contact may defat the skin and produce dermatitis.

Eyes contact : Slight irritation.

Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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


Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media : Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.

Unsuitable extinguishing media : Strong water jet.

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

- Specific hazards : The pressure in sealed containers can increase under the influence of heat. Use water spray or fog for cooling exposed containers.
- Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>). Toxic fumes may be released.

## **5.3. Advice for firefighters**

- Firefighting instructions : Use personal protective equipment as required. In case of fire: Wear self-contained breathing apparatus.
- Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

## **SECTION 6: Accidental release measures**

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

#### **6.1.1. For non-emergency personnel**

- For non-emergency personnel : Provide adequate ventilation. Use personal protective equipment as required. Reference to other sections: 8. Avoid contact with skin, eyes and clothing. Do not breathe vapour/aerosol.

#### **6.1.2. For emergency responders**

- For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

- Methods for cleaning up : Remove all sources of ignition. Stop leak if safe to do so. Dam up. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Collect in closed and suitable containers for disposal. Dispose of contaminated materials in accordance with current regulations. After cleaning, flush traces away with water.

### **6.4. Reference to other sections**

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.


## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

- Precautions for safe handling : Provide adequate ventilation. Ensure equipment is adequately earthed. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothing.
- Hygiene measures : Keep good industrial hygiene. Wash hands and face before breaks and immediately after handling of the product. Emergency safety showers should be available in the immediate vicinity of any potential exposure. Wash hands and face before breaks and immediately after handling of the product. When using do not eat, drink or smoke.

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

- Technical measures : Keep container tightly closed in a cool, well-ventilated place. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.
- Incompatible substances or mixtures : Oxidizing agent. Acids. Strong bases.
- Storage temperature : 10 - 50 °C
- Information on mixed storage : Food or feeding stuffs.

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Packaging materials : Keep only in the original container.

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

No data available

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

No data available


**8.2. Exposure controls**

- Engineering measure(s) : Provide adequate ventilation. Take precautionary measures against static discharge. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7.
- Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Hand protection : Not required for normal conditions of use. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
- Eye protection : Not required for normal conditions of use. During splash contact: Safety glasses (EN166)
- Body protection : Overalls, apron and boots recommended.
- Respiratory protection : Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment.
- Thermal hazard protection : Not required for normal conditions of use. Use dedicated equipment.

**SECTION 9: Physical and chemical properties**

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

- Physical state : Liquid
- Appearance : liquid.
- Colour : clear.
- Odour : Sweet.
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting / freezing point : No data available
- Freezing point : No data available
- Initial boiling point and boiling range : 200 °C
- Flash point : > 120 °C (PMCC (B))
- Auto-ignition temperature : > 260 °C
- Decomposition temperature : > 350 °C
- Flammability (solid, gas) : Not applicable,liquid
- Vapour pressure : < 0,3 kPa (@ 40°C)
- Vapour density : > 1 (@ 15°C)
- Relative density : No data available
- Density : 880 kg/m<sup>3</sup> (@ 15°C)

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|                                       |   |
|---------------------------------------|---|
| Solubility                            | : Water: Negligible   |
| Partition coefficient n-octanol/water | : No data available   |
| Kinematic viscosity                   | : < 4 mm <sup>2</sup> /s @ 50°C   |
| Dynamic viscosity                     | : No data available   |
| Explosive properties                  | : NA: The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.                        |
| Oxidising properties                  | : NA: The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties. |
| Explosive limits                      | : No data available   |

#### **9.2. Other information**

No data available

### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

Reference to other sections: 10.5.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

None known.

#### **10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. See also section 7.

#### **10.5. Incompatible materials**

oxidising substances. acids and bases. See also section 7.

#### **10.6. Hazardous decomposition products**

Carbon oxides. Burning produces noxious and toxic fumes.


### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

Acute toxicity : Not classified (Based on available data, the classification criteria are not met.)

| <b>Fatty acids, vegetable-oil, Me esters (68990-52-3)</b> |              |
|---|--------------|
| LD50/oral/rat   | > 5000 mg/kg |
| LD50/dermal/rat   | > 2000 mg/kg |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Not classified (Based on available data, the classification criteria are not met.)<br>pH: No data available |
| Serious eye damage/irritation     | : Not classified (Based on available data, the classification criteria are not met.)<br>pH: No data available |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met.)                          |
| Germ cell mutagenicity            | : Not classified (Based on available data, the classification criteria are not met.)                          |
| Carcinogenicity                   | : Not classified (Based on available data, the classification criteria are not met.)                          |
| Reproductive toxicity             | : Not classified (Based on available data, the classification criteria are not met.)                          |
| STOT-single exposure              | : Not classified (Based on available data, the classification criteria are not met.)                          |
| STOT-repeated exposure            | : Not classified (Based on available data, the classification criteria are not met.)                          |
| Aspiration hazard                 | : Not classified (Based on available data, the classification criteria are not met.)                          |

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|   |                               |
|---|-------------------------------|
| <b>Fatty acids, vegetable-oil, Me esters (68990-52-3)</b> |                               |
| Kinematic viscosity                                       | < 4 mm <sup>2</sup> /s @ 50°C |

Other information : Symptoms related to the physical, chemical and toxicological characteristics. None.

## SECTION 12: Ecological information

### 12.1. Toxicity

Environmental properties : Ecological injuries are not known or expected under normal use.

### 12.2. Persistence and degradability

|   |                           |
|---|---------------------------|
| <b>Fatty acids, vegetable-oil, Me esters (68990-52-3)</b> |                           |
| Persistence and degradability                             | No information available. |

### 12.3. Bioaccumulative potential

|   |                   |
|---|-------------------|
| <b>Fatty acids, vegetable-oil, Me esters (68990-52-3)</b> |                   |
| Partition coefficient n-octanol/water                     | No data available |

### 12.4. Mobility in soil

|   |             |
|---|-------------|
| <b>Fatty acids, vegetable-oil, Me esters (68990-52-3)</b> |             |
| Ecology - soil  | Negligible. |

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : If recycling is not practicable, dispose of in compliance with local regulations. Dispose of contaminated materials in accordance with current regulations.


Additional information : Dispose of contaminated materials in accordance with current regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                                     | IMDG  | IATA                               | ADN                                | RID                                |
|---|---|------------------------------------|------------------------------------|------------------------------------|
| <b>14.1. UN number</b>                  |   |                                    |                                    |                                    |
| Not applicable                          | Not applicable  | Not applicable                     | Not applicable                     | Not applicable                     |
| <b>14.2. UN proper shipping name</b>    |   |                                    |                                    |                                    |
| Not applicable                          | Not applicable  | Not applicable                     | Not applicable                     | Not applicable                     |
| <b>14.3. Transport hazard class(es)</b> |   |                                    |                                    |                                    |
| Not applicable                          | Not applicable  | Not applicable                     | Not applicable                     | Not applicable                     |
| Not applicable                          | Not applicable  | Not applicable                     | Not applicable                     | Not applicable                     |
| <b>14.4. Packing group</b>              |   |                                    |                                    |                                    |
| Not applicable                          | Not applicable  | Not applicable                     | Not applicable                     | Not applicable                     |
| <b>14.5. Environmental hazards</b>      |   |                                    |                                    |                                    |
| Dangerous for the environment : No      | Dangerous for the environment : No<br>Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |

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| ADR                                    | IMDG | IATA | ADN | RID |
|--|------|------|-----|-----|
| No supplementary information available |      |      |     |     |

#### **14.6. Special precautions for user**

**- Overland transport**

No data available

**- Transport by sea**

No data available

**- Air transport**

No data available

**- Inland waterway transport**

No data available

**- Rail transport**

No data available

#### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

### **SECTION 15: Regulatory information**

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

##### **15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Fatty acids, vegetable-oil, Me esters is not on the REACH Candidate List

Fatty acids, vegetable-oil, Me esters is not on the REACH Annex XIV List

##### **15.1.2. National regulations**

France

Installations classées : NA

##### **Germany**

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### **Netherlands**

Waterbezwaarlijkheid : 11 - Weinig schadelijk voor in het water levende organismen B (5)


SZW-lijst van kankerverwekkende stoffen : Not listed

SZW-lijst van mutagene stoffen : Not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

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## 15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out

### SECTION 16: Other information

Indication of changes:

|    |  |          |  |
|----|--|----------|--|
| 1  |  | Modified |  |
| 15 |  | Modified |  |
| 16 |  | Modified |  |

Abbreviations and acronyms:

|  |   |
|--|---|
|  | vPvB = very persistent and very bioaccumulating |
|  | persistent, bioaccumulating and toxic (PBT).    |

Sources of key data used to compile the datasheet : European Chemicals Bureau Chemical Safety Report. ECHA website.

Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
 Classification according to Regulation (EC) No. 1272/2008 [CLP]  
 Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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