# ME-S1885, Soy Methyl Ester

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision Date: 21/05/2019 Version: 1.0

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

### 1.1. Product identifier

Product Form : Mixture

Product Name : ME-S1885, Soy Methyl Ester

Synonyms : SME; Soy Methyl Ester

### 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 : No use specified.

#### 1.2.2. Uses advised against

No additional information available

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

**Company**

Peter Cremer North America, LP
3117 Southside Ave.
Cincinnati, OH 45204
1-513-471-7200
1-877-901-7262 (Toll free)
JRatchford@petercremerna.com

### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 US and Canada; 1-703-527-3887 for calls originating elsewhere

## 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]**

No labelling applicable

### 2.3. Other hazards

Other hazards not contributing to the classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixture

| Name | Product identifier | % | Classification According to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Fatty acids, C16-18 and C18-unsaturated, methyl esters | (CAS-No.) 67762-38-3<br>(EC-No.) 267-015-4<br>(REACH-no) 01-2119471664-32-0105 | 100 | Not classified |
| Fatty acids, soya, methyl esters | (CAS-No.) 68919-53-9<br>(EC-No.) 272-898-4 | 0 - 100 | Not classified |
| Methanol | (CAS-No.) 67-56-1<br>(EC-No.) 200-659-6<br>(EC Index-No.) 603-001-00-X | 0 - 0,2 | Flam. Liq. 2, H225<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Acute Tox. 3 (Inhalation:vapour), H331<br>STOT SE 1, H370 |

**Specific concentration limits:**

| Name | Product identifier | Specific concentration limits |
|---|---|---|
| Methanol | (CAS-No.) 67-56-1<br>(EC-No.) 200-659-6<br>(EC Index-No.) 603-001-00-X | ( 3 =<C < 10) STOT SE 2, H371<br>( 10 =<C < 100) STOT SE 1, H370 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label if possible). If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

First-aid measures after eye contact : Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : Prolonged exposure may cause irritation.

Symptoms/effects after skin contact : Prolonged exposure may cause skin irritation.

Symptoms/effects after eye contact : May cause slight irritation to eyes.

Symptoms/effects after ingestion : Ingestion may cause adverse effects.

Chronic symptoms : None expected under normal conditions of use.

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

If medical advice is needed, have product container or label at hand. If exposed or concerned, get medical advice and attention.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide ($CO_2$).

Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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

Fire hazard : Not considered flammable but may burn at high temperatures.

Explosion hazard : Product is not explosive.

Reactivity : Hazardous reactions will not occur under normal conditions.

Hazardous decomposition products in case of fire : Carbon oxides (CO, $CO_2$). Acetaldehyde. Ketones. Hydrocarbons.

### 5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire.

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

General measures : Use special care to avoid static electric charges. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

#### 6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protective equipment (PPE).

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container. Use only non-sparking tools. Use explosion-proof equipment. Contact competent authorities after a spill. Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal.

### 6.4. Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Precautions for safe handling : Keep away from heat, sparks, open flames, hot surfaces. – No smoking. Do not breathe vapors, mist, spray. Use only outdoors or in a well-ventilated area. Avoid prolonged contact with eyes, skin and clothing.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

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

Technical measures : Ensure adequate ventilation. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Comply with applicable regulations.

Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from heat, sparks and flame. Store away from incompatible materials.

Incompatible materials : Strong acids, strong bases, strong oxidizers.

### 7.3. Specific end use(s)

No use specified.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **Methanol (67-56-1)** | | |
|---|---|---|
| EU | IOELV TWA (mg/m³) | 260 mg/m³ |
| EU | IOELV TWA (ppm) | 200 ppm |
| EU | Notes | Possibility of significant uptake through the skin |
| Austria | MAK (mg/m³) | 260 mg/m³ |
| Austria | MAK (ppm) | 200 ppm |
| Austria | MAK Short time value (mg/m³) | 1040 mg/m³ |
| Austria | MAK Short time value (ppm) | 800 ppm |
| Austria | OEL chemical category (AT) | Skin notation |
| Belgium | Limit value (mg/m³) | 266 mg/m³ |
| Belgium | Limit value (ppm) | 200 ppm |
| Belgium | Short time value (mg/m³) | 333 mg/m³ |
| Belgium | Short time value (ppm) | 250 ppm |
| Belgium | OEL chemical category (BE) | Skin, Skin notation |
| Bulgaria | OEL TWA (mg/m³) | 260 mg/m³ |

| **Methanol (67-56-1)** | | |
|---|---|---|
| Bulgaria | OEL TWA (ppm) | 200 ppm |
| Croatia | GVI (granična vrijednost izloženosti) (mg/m³) | 260 mg/m³ |
| Croatia | GVI (granična vrijednost izloženosti) (ppm) | 200 ppm |
| Croatia | OEL chemical category (HR) | Skin notation |
| Croatia | Croatia - BLV | 7 mg/g creatinine Parameter: Methanol - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine) |
| Cyprus | OEL TWA (mg/m³) | 260 mg/m³ |
| Cyprus | OEL TWA (ppm) | 200 ppm |
| Cyprus | OEL chemical category (CY) | Skin-potential for cutaneous absorption |
| France | VLE (mg/m³) | 1300 mg/m³ |
| France | VLE (ppm) | 1000 ppm |
| France | VME (mg/m³) | 260 mg/m³ (restrictive limit) |
| France | VME (ppm) | 200 ppm (restrictive limit) |
| France | OEL chemical category (FR) | Risk of cutaneous absorption |
| France | France - BLV | 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (Background noise on non-exposed subjects) |
| Germany | TRGS 900 Occupational exposure limit value (mg/m³) | 270 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Germany | TRGS 900 Occupational exposure limit value (ppm) | 200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Germany | TRGS 903 Biological limit value | 30 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift<br>30 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of several shifts (for long-term exposures) |
| Germany | TRGS 900 chemical category | Skin notation |
| Gibraltar | Eight hours mg/m3 | 260 mg/m³ |
| Gibraltar | Eight hours ppm | 200 ppm |
| Gibraltar | OEL chemical category (GI) | Skin notation |
| Greece | OEL TWA (mg/m³) | 260 mg/m³ |
| Greece | OEL TWA (ppm) | 200 ppm |
| Greece | OEL STEL (mg/m³) | 325 mg/m³ |
| Greece | OEL STEL (ppm) | 250 ppm |
| Greece | OEL chemical category (GR) | skin - potential for cutaneous absorption |
| USA ACGIH | ACGIH TWA (ppm) | 200 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 250 ppm |
| Italy | OEL TWA (mg/m³) | 260 mg/m³ |
| Italy | OEL TWA (ppm) | 200 ppm |
| Italy | OEL chemical category (IT) | skin - potential for cutaneous absorption |
| Latvia | OEL TWA (mg/m³) | 260 mg/m³ |
| Latvia | OEL TWA (ppm) | 200 ppm |
| Latvia | OEL chemical category (LV) | skin - potential for cutaneous exposure |
| Spain | VLA-ED (mg/m³) | 266 mg/m³ (indicative limit value) |

| **Methanol (67-56-1)** | | |
|---|---|---|
| Spain | VLA-ED (ppm) | 200 ppm (indicative limit value) |
| Spain | OEL chemical category (ES) | skin - potential for cutaneous absorption |
| Spain | Spain - BLV | 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift |
| Switzerland | KZGW (mg/m³) | 1040 mg/m³ |
| Switzerland | KZGW (ppm) | 800 ppm |
| Switzerland | MAK (mg/m³) | 260 mg/m³ |
| Switzerland | MAK (ppm) | 200 ppm |
| Switzerland | OEL chemical category (CH) | Skin notation |
| Switzerland | Switzerland - BLV | 30 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures) |
| Netherlands | Grenswaarde TGG 8H (mg/m³) | 133 mg/m³ |
| United Kingdom | WEL TWA (mg/m³) | 266 mg/m³ |
| United Kingdom | WEL TWA (ppm) | 200 ppm |
| United Kingdom | WEL STEL (mg/m³) | 333 mg/m³ |
| United Kingdom | WEL STEL (ppm) | 250 ppm |
| United Kingdom | WEL chemical category | Potential for cutaneous absorption |
| Czech Republic | Expoziční limity (PEL) (mg/m³) | 250 mg/m³ |
| Czech Republic | OEL chemical category (CZ) | Potential for cutaneous absorption |
| Czech Republic | Czech Republic - BLV | Parameter: Methanol - Medium: urine - Sampling time: end of shift<br>15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift |
| Denmark | Grænseværdie (langvarig) (mg/m³) | 260 mg/m³ |
| Denmark | Grænseværdie (langvarig) (ppm) | 200 ppm |
| Estonia | OEL TWA (mg/m³) | 250 mg/m³ |
| Estonia | OEL TWA (ppm) | 200 ppm |
| Estonia | OEL STEL (mg/m³) | 350 mg/m³ |
| Estonia | OEL STEL (ppm) | 250 ppm |
| Estonia | OEL chemical category (ET) | Skin notation |
| Finland | HTP-arvo (8h) (mg/m³) | 270 mg/m³ |
| Finland | HTP-arvo (8h) (ppm) | 200 ppm |
| Finland | HTP-arvo (15 min) | 330 mg/m³ |
| Finland | HTP-arvo (15 min) (ppm) | 250 ppm |
| Finland | OEL chemical category (FI) | Potential for cutaneous absorption |
| Hungary | AK-érték | 260 mg/m³ |
| Hungary | OEL chemical category (HU) | Potential for cutaneous absorption |
| Ireland | OEL (8 hours ref) (mg/m³) | 260 mg/m³ |
| Ireland | OEL (8 hours ref) (ppm) | 200 ppm |
| Ireland | OEL (15 min ref) (mg/m3) | 780 mg/m³ (calculated) |
| Ireland | OEL (15 min ref) (ppm) | 600 ppm (calculated) |
| Ireland | OEL chemical category (IE) | Potential for cutaneous absorption |
| Lithuania | IPRV (mg/m³) | 260 mg/m³ |
| Lithuania | IPRV (ppm) | 200 ppm |
| Lithuania | OEL chemical category (LT) | Skin notation |
| Luxembourg | OEL TWA (mg/m³) | 260 mg/m³ |
| Luxembourg | OEL TWA (ppm) | 200 ppm |

| **Methanol (67-56-1)** | | |
|---|---|---|
| Luxembourg | OEL chemical category (LU) | Possibility of significant uptake through the skin |
| Malta | OEL TWA (mg/m³) | 260 mg/m³ |
| Malta | OEL TWA (ppm) | 200 ppm |
| Malta | OEL chemical category (MT) | Possibility of significant uptake through the skin |
| Norway | Grenseverdier (AN) (mg/m³) | 130 mg/m³ |
| Norway | Grenseverdier (AN) (ppm) | 100 ppm |
| Norway | Grenseverdier (Korttidsverdi) (mg/m3) | 162,5 mg/m³ (value calculated) |
| Norway | Grenseverdier (Korttidsverdi) (ppm) | 125 ppm (value calculated) |
| Norway | OEL chemical category (NO) | Skin notation |
| Poland | NDS (mg/m³) | 100 mg/m³ |
| Poland | NDSCh (mg/m³) | 300 mg/m³ |
| Romania | OEL TWA (mg/m³) | 260 mg/m³ |
| Romania | OEL TWA (ppm) | 200 ppm |
| Romania | OEL chemical category (RO) | Skin notation |
| Romania | Romania - BLV | 6 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift |
| Slovakia | NPHV (priemerná) (mg/m³) | 260 mg/m³ |
| Slovakia | NPHV (priemerná) (ppm) | 200 ppm |
| Slovakia | OEL chemical category (SK) | Potential for cutaneous absorption |
| Slovakia | Slovakia - BLV | 30 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of exposure or work shift<br>30 mg/l Parameter: Methanol - Medium: urine - Sampling time: after all work shifts (for long-term exposure) |
| Slovenia | OEL TWA (mg/m³) | 260 mg/m³ |
| Slovenia | OEL TWA (ppm) | 200 ppm |
| Slovenia | OEL STEL (mg/m³) | 1040 mg/m³ |
| Slovenia | OEL STEL (ppm) | 800 ppm |
| Slovenia | OEL chemical category (SL) | Potential for cutaneous absorption |
| Sweden | nivågränsvärde (NVG) (mg/m³) | 250 mg/m³ |
| Sweden | nivågränsvärde (NVG) (ppm) | 200 ppm |
| Sweden | kortidsvärde (KTV) (mg/m³) | 350 mg/m³ |
| Sweden | kortidsvärde (KTV) (ppm) | 250 ppm |
| Sweden | OEL chemical category (SE) | Skin notation |
| Portugal | OEL TWA (mg/m³) | 260 mg/m³ (indicative limit value) |
| Portugal | OEL TWA (ppm) | 200 ppm (indicative limit value) |
| Portugal | OEL STEL (ppm) | 250 ppm |
| Portugal | OEL chemical category (PT) | skin - potential for cutaneous exposure indicative limit value |

### 8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure all national/local regulations are observed. Suitable eye/body wash equipment should be available in the vicinity of any potential exposure.

| | |
|---|---|
| Personal protective equipment | : Safety glasses. Gloves. Protective clothing. Protective goggles. |

| | |
|---|---|
| Materials for protective clothing | : Chemically resistant materials and fabrics. |
| Hand protection | : Wear chemically resistant protective gloves. |
| Eye and Face Protection | : Chemical goggles or safety glasses. |
| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | : Wear approved mask. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection. |
| Other information | : When using, do not eat, drink or smoke. |

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : Clear Amber |
| Odour | : Slight |
| Odour threshold | : No data available |
| pH | : No data available |
| Evaporation rate | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : > 140 °C (284 °F) |
| Flash point | : > 164 °C (327,2 °F) ASTM D93 |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : < 1 mm Hg at 22°C (71.6 °F) |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : 0,86 - 0,89 (water = 1) |
| Density | : 7,35 lb/gal |
| Solubility | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Viscosity | : 3,8 - 5 cSt at 40 °C (104 °F) |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

| **ME-S1885, Soy Methyl Ester** | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 5000 mg/kg |

| **Methanol (67-56-1)** | |
|---|---|
| LD50 oral | 1400 mg/kg |
| LD50 dermal rabbit | 15840 mg/kg |
| LC50 inhalation rat (ppm) | 22500 ppm (Exposure time: 8 h) |
| LC50 inhalation rat (Vapours - mg/l/4h) | 3 mg/l/4h |
| ATE CLP (oral) | 100,00 mg/kg bodyweight |
| ATE CLP (dermal) | 300,00 mg/kg bodyweight |
| ATE CLP (gases) | 700,00 ppmv/4h |
| ATE CLP (dust,mist) | 0,50 mg/l/4h |

| **Fatty acids, C16-18 and C18-unsaturated, methyl esters (67762-38-3)** | |
|---|---|
| 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)
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
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)

| **ME-S1885, Soy Methyl Ester** | |
|---|---|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight/day |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)
Symptoms/Injuries After Inhalation : Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact : Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact : May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion : Ingestion may cause adverse effects.
Chronic Symptoms : None expected under normal conditions of use.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Not classified.

| **Methanol (67-56-1)** | |
|---|---|
| LC50 fish 1 | 28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 1340 mg/l |
| LC50 fish 2 | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |

### 12.2. Persistence and degradability

| **ME-S1885, Soy Methyl Ester** | |
|---|---|
| Persistence and degradability | Not persistent, readily biodegradable. |

### 12.3. Bioaccumulative potential

| **ME-S1885, Soy Methyl Ester** | |
|---|---|
| Bioaccumulative potential | The bioaccumulation of this product is not expected and therefore no PNEC is required. No long term adverse effect on organisms. |

| **Methanol (67-56-1)** | |
|---|---|
| BCF fish 1 | < 10 |

| **Methanol (67-56-1)** | |
|---|---|
| Log Pow | -0,77 |

### 12.4. Mobility in soil
No additional information available

### 12.5. Results of PBT and vPvB assessment
No additional information available

### 12.6. Other adverse effects
Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods
Product/Packaging disposal recommendations : Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information
The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.
In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number** | | | | |
| Not regulated for transport | | | | |
| **14.2. UN proper shipping name** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.3. Transport hazard class(es)** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.4. Packing group** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | | | |
| 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 |

### 14.6. Special precautions for user
No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL 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
The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| | |
|---|---|
| 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 | Methanol |
| 3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F | Methanol |
| 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 | Methanol |
| 40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. | Methanol |
| 69. Methanol | Methanol |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

| **Fatty acids, soya, methyl esters (68919-53-9)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

| **Methanol (67-56-1)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

| **Fatty acids, C16-18 and C18-unsaturated, methyl esters (67762-38-3)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

**15.1.2. National regulations**

| **Fatty Acids, Soya, Methyl Esters (68919-53-9)** |
|---|
| **Regulatory Reference** |
| Listed on the Canadian DSL (Domestic Substances List) |
| Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
| Listed on KECL/KECI (Korean Existing Chemicals Inventory) |
| Listed on NZIoC (New Zealand Inventory of Chemicals) |
| Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| Listed on the TCSI (Taiwan Chemical Substance Inventory) |

| **Methanol (67-56-1)** |
|---|
| **Regulatory Reference** |
| Listed on the AICS (Australian Inventory of Chemical Substances) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
| Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory |
| Listed on the Japanese ISHL (Industrial Safety and Health Law) |
| Listed on KECL/KECI (Korean Existing Chemicals Inventory) |
| Listed on NZIoC (New Zealand Inventory of Chemicals) |
| Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| Japanese Poisonous and Deleterious Substances Control Law |
| Subject to reporting requirements of United States SARA Section 313 |
| Listed on the Canadian IDL (Ingredient Disclosure List) |
| Listed on INSQ (Mexican National Inventory of Chemical Substances) |
| Listed on EPA Hazardous Air Pollutant (HAPS) |
| Listed on the TCSI (Taiwan Chemical Substance Inventory) |

| **Fatty Acids, C16-18 And C18-Unsaturated, Methyl Esters (67762-38-3)** |
|---|
| **Regulatory Reference** |
| Listed on the AICS (Australian Inventory of Chemical Substances) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
| Listed on KECL/KECI (Korean Existing Chemicals Inventory) |
| Listed on NZIoC (New Zealand Inventory of Chemicals) |
| Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| Listed on the TCSI (Taiwan Chemical Substance Inventory) |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Date of Preparation or Latest Revision : 21/05/2019

Data sources : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

Other information : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Full Text of H- and EUH-statements:

| | |
|---|---|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3 |
| Acute Tox. 3 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| STOT SE 1 | Specific target organ toxicity — Single exposure, Category 1 |
| STOT SE 2 | Specific target organ toxicity — Single exposure, Category 2 |
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H331 | Toxic if inhaled. |
| H370 | Causes damage to organs. |
| H371 | May cause damage to organs. |

**Indication of Changes** No additional information available

**Abbreviations and Acronyms**

ACGIH – American Conference of Governmental Industrial Hygienists
ADN – European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road
ATE - Acute Toxicity Estimate
BCF - Bioconcentration Factor
BEI - Biological Exposure Indices (BEI)
BOD – Biochemical Oxygen Demand
CAS No. - Chemical Abstracts Service Number
CLP – Classification, Labeling and Packaging Regulation (EC) No 1272/2008
COD – Chemical Oxygen Demand
EC – European Community
EC50 - Median Effective Concentration
EEC – European Economic Community
EINECS – European Inventory of Existing Commercial Chemical Substances
EmS-No. (Fire) - IMDG Emergency Schedule Fire
EmS-No. (Spillage) - IMDG Emergency Schedule Spillage
EU – European Union
ErC50 - EC50 in Terms of Reduction Growth Rate
GHS – Globally Harmonized System of Classification and Labeling of Chemicals
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC Code - International Bulk Chemical Code
IMDG - International Maritime Dangerous Goods
IPRV - Ilgalaikio Poveikio Ribinis Dydis
IOELV – Indicative Occupational Exposure Limit Value
LC50 - Median Lethal Concentration
LD50 - Median Lethal Dose
LOAEL - Lowest Observed Adverse Effect Level
LOEC - Lowest-Observed-Effect Concentration
Log Koc - Soil Organic Carbon-water Partitioning Coefficient
Log Kow - Octanol/water Partition Coefficient
Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water
MAK – Maximum Workplace Concentration/Maximum Permissible Concentration
MARPOL - International Convention for the Prevention of Pollution
NDS - Najwyzsze Dopuszczalne Stezenie
NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe
NDSP - Najwyzsze Dopuszczalne Stezenie Pulapowe
NOAEL - No-Observed Adverse Effect Level
NOEC - No-Observed Effect Concentration
NRD - Nevirsytinas Ribinis Dydis
NTP – National Toxicology Program
OEL - Occupational Exposure Limits
PBT - Persistent, Bioaccumulative and Toxic
PEL - Permissible Exposure Limit
pH – Potential Hydrogen
REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals
RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail
SADT - Self Accelerating Decomposition Temperature
SDS - Safety Data Sheet
STEL - Short Term Exposure Limit
STOT - Specific Target Organ Toxicity
TA-Luft - Technische Anleitung zur Reinhaltung der Luft
TEL TRK – Technical Guidance Concentrations
ThOD – Theoretical Oxygen Demand
TLM - Median Tolerance Limit
TLV - Threshold Limit Value
TPRD - Trumpalaikio Poveikio Ribinis Dydis
TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in ortsbeweglichen Behältern
TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine
TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte
TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
VOC – Volatile Organic Compounds
VLA-EC - Valor Límite Ambiental Exposición de Corta Duración
VLA-ED - Valor Límite Ambiental Exposición Diaria
VLE – Valeur Limite D'exposition
VME – Valeur Limite De Moyenne Exposition
vPvB - Very Persistent and Very Bioaccumulative
WEL – Workplace Exposure Limit
WGK - Wassergefährdungsklasse

EU GHS SDS

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