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

Product information
Product Name: Biodiesel Blends
Material: 1096219, 1096233, 1096232, 1095628, 1095627, 1095625, 1095624, 1104935, 1104934

Use: Fuel

Company: Chevron Phillips Chemical Company LP
Specialty Chemicals
10001 Six Pines Drive
The Woodlands, TX 77380

Emergency telephone:

Health:
866.442.9628 (North America)
1.832.813.4984 (International)

Transport:
CHEMTREC 800.424.9300 or 703.527.3887 (int'l)
Asia: +800 CHEMCALL (+800 2436 2255) China: +86-21-22157316
EUROPE: BIG +32.14.584545 (phone) or +32.14.583516 (telefax)
South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

Responsible Department: Product Safety and Toxicology Group
E-mail address: SDS@CPChem.com
Website: www.CPChem.com

SECTION 2: Hazards identification

Classification of the substance or mixture
This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

Emergency Overview

Danger
Form: Liquid  Physical state: Liquid  Color: Yellow  Odor: Slight
OSHA Hazards: Combustible Liquid, Moderate skin irritant, Moderate eye irritant, Target Organ Effects, Carcinogen, Mutagen, Aspiration hazard

Classification

SDS Number: 100000014361
Biodiesel Blends

Labeling

Symbol(s):  

Signal Word: Danger

Hazard Statements:  
H227: Flammable liquid.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H340: May cause genetic defects.
H351: Suspected of causing cancer.
H372: Causes damage to organs (Eyes, Blood) through prolonged or repeated exposure.
H373: May cause damage to organs (Liver, thymus gland, Auditory organs, Kidney) through prolonged or repeated exposure.
H373: May cause damage to organs (Auditory organs) through prolonged or repeated exposure if inhaled.

Precautionary Statements:  
Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapor/spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/
Carcinogenicity:

**IARC**
- Group 2B: Possibly carcinogenic to humans
  - Light Cycle Oil: 64741-59-9
  - Light Aromatic Solvent: 64742-95-6
  - Naphtha
  - Naphthalene: 91-20-3
  - Ethylbenzene: 100-41-4

**NTP**
- Reasonably anticipated to be a human carcinogen
  - Naphthalene: 91-20-3

**ACGIH**
- Confirmed animal carcinogen with unknown relevance to humans
  - Diesel fuel: 68476-34-6
  - Light Aromatic Solvent: 64742-95-6
  - Naphtha
  - Distillates (petroleum): 64742-47-8
  - Hydrotreated light

### SECTION 3: Composition/information on ingredients

**Synonyms**
- B20 Biodiesel
- B2
- B5

**Molecular formula**: Mixture

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel fuel</td>
<td>68476-34-6</td>
<td>0 - 99</td>
</tr>
<tr>
<td>C13-C16 Isoalkanes</td>
<td>68551-20-2</td>
<td>0 - 30</td>
</tr>
<tr>
<td>Light Cycle Oil</td>
<td>64741-59-9</td>
<td>0 - 30</td>
</tr>
<tr>
<td>Light Aromatic Solvent Naphtha</td>
<td>64742-95-6</td>
<td>0 - 20</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Benzene, dimethyl-</td>
<td>1330-20-7</td>
<td>0.1 - 3</td>
</tr>
<tr>
<td>Polynuclear Aromatics</td>
<td></td>
<td>0.1 - 2</td>
</tr>
</tbody>
</table>

### SECTION 4: First aid measures

**General advice**: Move out of dangerous area. Show this material safety data

**SDS Number**: 100000014361 3/16
### Biodiesel Blends

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**SDS Number:** 100000014361

---

#### SECTION 5: Firefighting measures

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash point</strong></td>
<td>78.1 °C (172.6 °F)</td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Suitable extinguishing media</strong></td>
<td>Carbon dioxide (CO2)</td>
</tr>
<tr>
<td><strong>Unsuitable extinguishing media</strong></td>
<td>High volume water jet</td>
</tr>
<tr>
<td><strong>Specific hazards during fire fighting</strong></td>
<td>Do not allow run-off from fire fighting to enter drains or water courses.</td>
</tr>
<tr>
<td><strong>Special protective equipment for fire-fighters</strong></td>
<td>Wear self-contained breathing apparatus for firefighting if necessary.</td>
</tr>
<tr>
<td><strong>Further information</strong></td>
<td>Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.</td>
</tr>
<tr>
<td><strong>Fire and explosion protection</strong></td>
<td>Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.</td>
</tr>
<tr>
<td><strong>Hazardous decomposition products</strong></td>
<td>Carbon oxides.</td>
</tr>
</tbody>
</table>

---

#### SECTION 6: Accidental release measures

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal precautions</strong></td>
<td>Use personal protective equipment. Ensure adequate ventilation.</td>
</tr>
<tr>
<td><strong>Environmental precautions</strong></td>
<td>Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers</td>
</tr>
</tbody>
</table>
and lakes or drains inform respective authorities.

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Handling

Advice on safe handling: Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion: Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.

Storage

Requirements for storage areas and containers: No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8: Exposure controls/personal protection

Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Basis</th>
<th>Value</th>
<th>Control parameters</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel fuel</td>
<td>ACGIH</td>
<td>TWA</td>
<td>100 mg/m³</td>
<td>dermatitis, A3, Skin, varies, Inhalable fraction and vapor</td>
</tr>
<tr>
<td>Light Aromatic Solvent Naphtha</td>
<td>OSHA Z-1</td>
<td>TWA</td>
<td>500 ppm, 2,000 mg/m³</td>
<td>(b)</td>
</tr>
<tr>
<td>OSHA Z-1-A</td>
<td>TWA</td>
<td>400 ppm, 1,600 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum), Hydrotreated light</td>
<td>OSHA Z-1</td>
<td>TWA</td>
<td>500 ppm, 2,000 mg/m³</td>
<td>(b)</td>
</tr>
<tr>
<td>OSHA Z-1-A</td>
<td>TWA</td>
<td>400 ppm, 1,600 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum), Hydrotreated light Paraffinic</td>
<td>ACGIH</td>
<td>TWA</td>
<td>200 mg/m³</td>
<td>CNS imp, URT irr, skin irr, P, A3, Skin, varies,</td>
</tr>
<tr>
<td>OSHA Z-1</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist</td>
<td></td>
</tr>
<tr>
<td>OSHA Z-1-A</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist</td>
<td></td>
</tr>
<tr>
<td>Distillates (petroleum), Hydrotreated light Paraffinic</td>
<td>ACGIH</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>URT irr, A4, Inhalable fraction</td>
</tr>
<tr>
<td>OSHA Z-1</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist</td>
<td></td>
</tr>
<tr>
<td>OSHA Z-1-A</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist</td>
<td></td>
</tr>
<tr>
<td>Naphthalene</td>
<td>ACGIH</td>
<td>TWA</td>
<td>10 ppm,</td>
<td>hemolytic anemia, URT irr, cataract, A3, Skin,</td>
</tr>
<tr>
<td>ACGIH</td>
<td>STEL</td>
<td>15 ppm,</td>
<td>hematologic eff, URT irr, eye irr, eye dam, (b), A4, Skin,</td>
<td></td>
</tr>
<tr>
<td>OSHA Z-1</td>
<td>TWA</td>
<td>10 ppm, 50 mg/m³</td>
<td>(b)</td>
<td></td>
</tr>
<tr>
<td>OSHA Z-1-A</td>
<td>TWA</td>
<td>10 ppm, 50 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Biodiesel Blends

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OSHA Z-1-A STEL 15 ppm, 75 mg/m³

Ethylbenzene

OSHA Z-1 TWA 100 ppm, 435 mg/m³ (b).

OSHA Z-1-A TWA 100 ppm, 435 mg/m³ (b).

OSHA Z-1-A STEL 125 ppm, 545 mg/m³ (b).

ACGIH TWA 20 ppm.

ACGIH STEL 150 ppm.

ACGIH TWA 100 ppm, 435 mg/m³.

ACGIH STEL 150 ppm, 655 mg/m³.

ACGIH TWA 100 ppm.

ACGIH STEL 150 ppm.

Adopted values or notations enclosed are those for which changes are proposed in the NIC.

(b) The value in mg/m³ is approximate.

A3 Confirmed animal carcinogen with unknown relevance to humans

A4 Not classifiable as a human carcinogen

BEI Substances for which there is a Biological Exposure Index or Indices (see BEI® section)

cataract Cataract

CNS impair Central Nervous System impairment

dermatitis Dermatitis

eye dam Eye damage

eye irr Eye irritation

hematologic eff Hematologic effects

hemolytic Hemolytic anemia

anemia P Application restricted to conditions in which there are negligible aerosol exposures

Skin Danger of cutaneous absorption

skin irr Skin irritation

URT irr Upper Respiratory Tract irritation

varies varies

Immediately Dangerous to Life or Health Concentrations (IDLH)

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), Hydrotreated light</td>
<td>64742-47-8</td>
<td>Immediately Dangerous to Life or Health Concentration Value 2500 mg/m³</td>
<td>1995-03-01</td>
</tr>
<tr>
<td>Distillates (petroleum), Hydrotreated light Paraffinic</td>
<td>64742-55-8</td>
<td>Immediately Dangerous to Life or Health Concentration Value 2500 mg/m³</td>
<td>1995-03-01</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>Immediately Dangerous to Life or Health Concentration Value 250 ppm</td>
<td>1995-03-01</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>Immediately Dangerous to Life or Health Concentration Value 800 ppm</td>
<td>1995-03-01</td>
</tr>
<tr>
<td>Benzene, dimethyl-</td>
<td>1330-20-7</td>
<td>Immediately Dangerous to Life or Health Concentration Value 900 ppm</td>
<td>1995-03-01</td>
</tr>
</tbody>
</table>

Engineering measures

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment

Respiratory protection : Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as: Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric

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pressure. Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

Hand protection: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection: Eye wash bottle with pure water. Tightly fitting safety goggles.

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear as appropriate: Flame-resistant clothing. Footwear protecting against chemicals.

Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance
Form: Liquid
Physical state: Liquid
Color: Yellow
Odor: Slight

Safety data
Flash point: 78.1 ºC (172.6 ºF)
Lower explosion limit: No data available
Upper explosion limit: No data available
Oxidizing properties: No

Autoignition temperature: Not applicable
Molecular formula: Mixture
Molecular weight: Not applicable
pH: No data available
Pour point: No data available

Boiling point/boiling range: 190 ºC (374 ºF)
Vapor pressure: No data available
Relative density : 0.8494
    at 15.6 °C (60.1 °F)

Density : 0.8494 g/cm³

Water solubility : Negligible

Partition coefficient: n-octanol/water : No data available

Viscosity, kinematic : 5.54 cSt

Relative vapor density : No data available

Evaporation rate : No data available

SECTION 10: Stability and reactivity

Chemical stability : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions

Conditions to avoid : Heat, flames and sparks.

Materials to avoid : May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous decomposition products : Carbon oxides

Other data : No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

Biodiesel Blends
Acute oral toxicity : LD50: > 5,000 mg/kg
    Method: Acute toxicity estimate

Biodiesel Blends
Acute inhalation toxicity : LC50: > 20 mg/l
    Exposure time: 4 h
    Test atmosphere: dust/mist
    Method: Acute toxicity estimate

Biodiesel Blends
Acute dermal toxicity : LD50: > 5,000 mg/kg
    Method: Acute toxicity estimate
### Skin irritation
Irritating to skin and mucous membranes.

### Biodiesel Blends Eye irritation
May cause eye irritation.

### Biodiesel Blends Sensitization
No adverse effects expected.

### Biodiesel Blends Repeated dose toxicity
Method: Based on product or component testing, long term repeated exposure may cause damage to the following organs:
- Target Organs: Auditory organs, Eyes, Blood
- Estimated based on individual component values.

### Biodiesel Blends Carcinogenicity
Method: Estimated based on individual component values.
Remarks: Suspect cancer hazard

#### Developmental Toxicity

**Diesel fuel**
- Species: Rat
- Application Route: Inhalation
- Dose: 0, 86.9, 408.8 ppm
- Number of exposures: 6 h/d
- Test period: GD 6-15
- Method: OECD Guideline 414
- NOAEL Teratogenicity: 408.8 ppm
- NOAEL Maternal: 408.8 ppm
- Information given is based on data obtained from similar substances.

**Light Cycle Oil**
- Species: Rat
- Application Route: Dermal
- Dose: 30, 125, 500, 1000 mg/kg
- Exposure time: daily
- Test period: GD 0-20
- Method: OECD Guideline 414
- NOAEL Teratogenicity: 125 mg/kg
- Information given is based on data obtained from similar substances.

**Naphthalene**
- Species: Rabbit
- Application Route: oral gavage
- Dose: 40, 200, 400 mg/kg
- Test period: 29 d, GD 6-18
- NOAEL Teratogenicity: 400 mg/kg
Biodiesel Blends

Species: Rat
Application Route: Inhalation
Dose: 0, 805, 1610 ppm
Number of exposures: 6 h/d
Test period: GD 7-16
NOAEL Maternal: 1610 ppm

Species: Mouse
Application Route: oral gavage
Dose: 0, 780, 1960, 2619 mg/kg
Number of exposures: 3 times/d
Test period: GD 6-15
NOAEL Teratogenicity: 780 mg/kg
NOAEL Maternal: 780 mg/kg

Biodiesel Blends

Aspiration toxicity: May be fatal if swallowed and enters airways. Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.

CMR effects

Diesel fuel: Carcinogenicity: Limited evidence of carcinogenicity in animal studies
Teratogenicity: Animal testing did not show any effects on fetal development.

Light Cycle Oil: Carcinogenicity: Possible human carcinogen

Naphthalene: Carcinogenicity: Limited evidence of carcinogenicity in animal studies

Ethylbenzene: Mutagenicity: In vivo tests did not show mutagenic effects
Teratogenicity: Did not show teratogenic effects in animal experiments.
Reproductive toxicity: No toxicity to reproduction

Benzene, dimethyl-: Carcinogenicity: Not classifiable as a human carcinogen.
Mutagenicity: Did not show mutagenic effects in animal experiments.
Teratogenicity: Damage to fetus not classifiable

Polynuclear Aromatics: Carcinogenicity: Human carcinogen.
Mutagenicity: In vivo tests showed mutagenic effects

Biodiesel Blends

Further information: Solvents may degrease the skin.

SECTION 12: Ecological information

Ecotoxicity effects

Toxicity to fish: LC50: 1 - 10 mg/l
Exposure time: 96 h
Method: Estimated based on individual component values.
**Biodiesel Blends**

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**Toxicity to daphnia and other aquatic invertebrates**

- **LC50**: 1 - 10 mg/l
- **Exposure time**: 48 h
- **Method**: Estimated based on individual component values.

**Toxicity to algae**

- **EC50**: 1 - 10 mg/l
- **Exposure time**: 96 h
- **Estimated based on individual component values**.

**Distillates (petroleum), light catalytic cracked**

- **1**

**Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)**

- **Ethylbenzene**
  - **NOEC**: 1 mg/l
  - **Exposure time**: 7 d
  - **Species**: Daphnia pulex (Water flea)
  - **semi-static test**
  - **Analytical monitoring**: yes

**Elimination information (persistence and degradability)**

**Bioaccumulation**

- **Benzene, dimethyl-**
  - This material is not expected to bioaccumulate.

**Biodegradability**

- Expected to be inherently biodegradable.

**Ecotoxicology Assessment**

**Acute aquatic toxicity**

- **Diesel fuel**: Toxic to aquatic life.
- **Light Cycle Oil**: Very toxic to aquatic life.
- **Light Aromatic Solvent Naphtha**: Toxic to aquatic life.
- **Naphthalene**: Very toxic to aquatic life.
- **Ethylbenzene**: Toxic to aquatic life.
- **Benzene, dimethyl-**: Toxic to aquatic life.

**Chronic aquatic toxicity**

- **Diesel fuel**: Toxic to aquatic life with long lasting effects.
- **Light Cycle Oil**: Very toxic to aquatic life with long lasting effects.
- **Light Aromatic Solvent Naphtha**: Toxic to aquatic life with long lasting effects.
- **Naphthalene**: Very toxic to aquatic life with long lasting effects.
- **Ethylbenzene**: Harmful to aquatic life with long lasting effects.
# Biodiesel Blends

**SAFETY DATA SHEET**

**Version 4.3**

**Revision Date 2016-06-07**

<table>
<thead>
<tr>
<th>Results of PBT assessment</th>
<th>Diesel fuel</th>
<th>Non-classified PBT substance, Non-classified vPvB substance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Light Cycle Oil</td>
<td>Non-classified PBT substance, Non-classified vPvB substance</td>
</tr>
<tr>
<td></td>
<td>Ethylbenzene</td>
<td>Non-classified vPvB substance, Non-classified PBT substance</td>
</tr>
</tbody>
</table>

**Additional ecological information**: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

The information in this SDS pertains only to the product as shipped. Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

**Product**: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

**Contaminated packaging**: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

## SECTION 14: Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

**US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)**

UN1202, DIESEL FUEL, COMBUSTIBLE LIQUID, III

**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (LIGHT CYCLE OIL, DIESEL FUEL), 9, III, (78.1 °C), MARINE POLLUTANT, (LIGHT CYCLE OIL, DIESEL FUEL)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (LIGHT CYCLE OIL, DIESEL FUEL), 9, III

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**

SDS Number: 100000014361
Biodiesel Blends

UN1202, DIESEL FUEL, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS, (LIGHT CYCLE OIL, DIESEL FUEL)

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))
UN1202, DIESEL FUEL, 3, III, ENVIRONMENTALLY HAZARDOUS, (LIGHT CYCLE OIL, DIESEL FUEL)

ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)
UN1202, DIESEL FUEL, 3, III, ENVIRONMENTALLY HAZARDOUS, (LIGHT CYCLE OIL, DIESEL FUEL)

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

SECTION 15: Regulatory information

National legislation

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

CERCLA Reportable Quantity : 4785 lbs
Naphthalene

SARA 302 Reportable Quantity : This material does not contain any components with a SARA 302 RQ.

SARA 302 Threshold Planning Quantity : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

SARA 313 Ingredients : The following components are subject to reporting levels established by SARA Title III, Section 313:

Naphthalene - 91-20-3
Ethylbenzene - 100-41-4
Benzene, dimethyl- - 1330-20-7

SDS Number:100000014361
**Clean Air Act**

Ozone-Depletion : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

- Ethylbenzene - 100-41-4
- Benzene, dimethyl - 1330-20-7

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

- Ethylbenzene - 100-41-4
- Benzene, dimethyl - 1330-20-7

**US State Regulations**

**Pennsylvania Right To Know**

- Diesel fuel - 68476-34-6
- Distillates (petroleum), Hydrotreated light - 64742-47-8
- Distillates (petroleum), Hydrotreated light Paraffinic - 64742-55-8
- Naphthalene - 91-20-3
- Ethylbenzene - 100-41-4
- Benzene, dimethyl - 1330-20-7

**New Jersey Right To Know**

- Distillates (petroleum), Hydrotreated light - 64742-47-8
- Distillates (petroleum), Hydrotreated light Paraffinic - 64742-55-8
- Naphthalene - 91-20-3
- Ethylbenzene - 100-41-4
- Benzene, dimethyl - 1330-20-7

**California Prop. 65 Ingredients**

WARNING! This product contains a chemical known in the State of California to cause cancer.

WARNING! This product contains a chemical known in the State of California to cause cancer.

- Naphthalene - 91-20-3
- Ethylbenzene - 100-41-4

**Notification status**

Europe REACH : Not in compliance with the inventory
**SAFETY DATA SHEET**

**Biodiesel Blends**

Version 4.3  
Revision Date 2016-06-07

United States of America TSCA : On TSCA Inventory  
Canada NDSL : This product contains one or several components listed in the Canadian NDSL.  
Australia AICS : Not in compliance with the inventory  
New Zealand NZIoC : Not in compliance with the inventory  
Japan ENCS : On the inventory, or in compliance with the inventory  
Korea KECI : Not in compliance with the inventory  
Philippines PICCS : Not in compliance with the inventory  
China IECSC : Not in compliance with the inventory

**SECTION 16: Other information**

**NFPA Classification**  
Health Hazard: 2  
Fire Hazard: 2  
Reactivity Hazard: 0

**Further information**

Legacy SDS Number : CPC00405

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

<table>
<thead>
<tr>
<th>Key or legend to abbreviations and acronyms used in the safety data sheet</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Government Industrial Hygienists</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose 50%</td>
</tr>
<tr>
<td>TSCA</td>
<td>United States of America TSCA</td>
</tr>
<tr>
<td>NDSL</td>
<td>Canada, Non-Domestic Substances List</td>
</tr>
<tr>
<td>AICS</td>
<td>Australia, Inventory of Chemical Substances</td>
</tr>
<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>DSL</td>
<td>Canada, Domestic Substances List</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Agency</td>
</tr>
<tr>
<td>ENCS</td>
<td>Japan ENCS</td>
</tr>
<tr>
<td>CNS</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety &amp; Health</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Service</td>
</tr>
<tr>
<td>NZIoC</td>
<td>New Zealand Inventory of Chemicals</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Chemicals Association</td>
</tr>
<tr>
<td>PICCS</td>
<td>Philippines Inventory of Chemicals</td>
</tr>
<tr>
<td>EC50</td>
<td>Effective Concentration</td>
</tr>
<tr>
<td>NOAEL</td>
<td>No Observable Adverse Effect Level</td>
</tr>
<tr>
<td>EC50</td>
<td>Effective Concentration 50%</td>
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<tr>
<td>NOEC</td>
<td>No Observed Effect Concentration</td>
</tr>
<tr>
<td>EGEST</td>
<td>EOSCA Generic Exposure Scenario Tool</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety &amp; Health Administration</td>
</tr>
<tr>
<td>EOSCA</td>
<td>European Oilfield Specialty Chemicals Association</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Chemicals Association</td>
</tr>
</tbody>
</table>

SDS Number: 100000014361
<table>
<thead>
<tr>
<th>Chemical Substances</th>
<th>Commercial Chemical Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAK Germany Maximum Concentration Values</td>
<td>PRNT Presumed Not Toxic</td>
</tr>
<tr>
<td>GHS Globally Harmonized System</td>
<td>RCRA Resource Conservation Recovery Act</td>
</tr>
<tr>
<td>&gt;= Greater Than or Equal To</td>
<td>STEL Short-term Exposure Limit</td>
</tr>
<tr>
<td>IC50 Inhibition Concentration 50%</td>
<td>SARA Superfund Amendments and Reauthorization Act</td>
</tr>
<tr>
<td>IARC International Agency for Research on Cancer</td>
<td>TLV Threshold Limit Value</td>
</tr>
<tr>
<td>IECSC Inventory of Existing Chemical Substances in China</td>
<td>TWA Time Weighted Average</td>
</tr>
<tr>
<td>ENCS Japan, Inventory of Existing and New Chemical Substances</td>
<td>TSCA Toxic Substance Control Act</td>
</tr>
<tr>
<td>KECI Korea, Existing Chemical Inventory</td>
<td>UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials</td>
</tr>
<tr>
<td>&lt;= Less Than or Equal To</td>
<td>WHMIS Workplace Hazardous Materials Information System</td>
</tr>
<tr>
<td>LC50 Lethal Concentration 50%</td>
<td></td>
</tr>
</tbody>
</table>