

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

**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 +32.14583516 (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**

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

: Flammable liquids, Category 4  
 Skin irritation, Category 2  
 Eye irritation, Category 2A  
 Germ cell mutagenicity, Category 1B  
 Carcinogenicity, Category 2  
 Specific target organ systemic toxicity - repeated exposure, Category 1, Eyes, Blood  
 Specific target organ systemic toxicity - repeated exposure, Category 2, Liver, thymus gland, Auditory organs, Kidney  
 Specific target organ systemic toxicity - repeated exposure, Category 2, Inhalation, Auditory organs  
 Aspiration hazard, Category 1

**Labeling**

Symbol(s)



Signal Word

: Danger

Hazard Statements

: H227: Combustible 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/

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**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

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

**SECTION 4: First aid measures**

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

SDS Number:100000014361

3/16

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

- sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.
- If inhaled : If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water. If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

**SECTION 5: Firefighting measures**

- Flash point : 78.1 °C (172.6 °F)
- Autoignition temperature : Not applicable
- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>).
- Unsuitable extinguishing media : High volume water jet.
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : 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.
- Fire and explosion protection : Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
- Hazardous decomposition products : Carbon oxides.

**SECTION 6: Accidental release measures**

- Personal precautions : Use personal protective equipment. Ensure adequate ventilation.
- Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

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****US**

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

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

	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	
	OSHA Z-1-A	STEL	125 ppm, 545 mg/m3	
	ACGIH	TWA	20 ppm,	
Benzene, dimethyl-	OSHA Z-1	TWA	100 ppm, 435 mg/m3	(b),
	ACGIH	TWA	100 ppm,	CNS impair, URT irr, eye irr, BEI, A4,
	ACGIH	STEL	150 ppm,	CNS impair, URT irr, eye irr, BEI, A4,
	OSHA Z-1-A	STEL	150 ppm, 655 mg/m3	
	OSHA Z-1-A	TWA	100 ppm, 435 mg/m3	
	ACGIH	TWA	100 ppm,	CNS impair, URT irr, eye irr, BEI, A4,
	ACGIH	STEL	150 ppm,	CNS impair, URT irr, eye irr, BEI, A4,

- (i) 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)**

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

**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 work place 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

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

	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 °C (172.6 °F)
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 °C (374 °F)
Vapor pressure	: No data available

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

Relative density	: 0.8494 at 15.6 °C (60.1 °F)
Density	: 0.8494 g/cm <sup>3</sup>
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

**Biodiesel Blends**



**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

- 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.
- 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.
- Light Cycle Oil : Species: Rat  
Application Route: Dermal  
Dose: 1, 50, 250 mg/kg/d  
Number of exposures: once daily  
Test period: GD 0-19  
Method: OECD Guideline 414  
NOAEL Teratogenicity: 1 mg/kg  
NOAEL Maternal: 1 mg/kg
- 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**

Version 4.3

Revision Date 2016-06-07

Benzene, dimethyl-

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 decrease 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**

Version 4.3

Revision Date 2016-06-07

**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 : Toxic to aquatic life.

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 : Toxic to aquatic life with long lasting effects.

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**

Version 4.3

Revision Date 2016-06-07

Results of PBT assessment	
Diesel fuel	: Non-classified PBT substance, Non-classified vPvB substance
Light Cycle Oil	: Non-classified PBT substance, Non-classified vPvB substance
Ethylbenzene	: Non-classified vPvB substance, Non-classified PBT substance
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))**

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

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

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

**Clean Air Act**

Ozone-Depletion Potential : 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 SOCM I 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

**Biodiesel Blends**

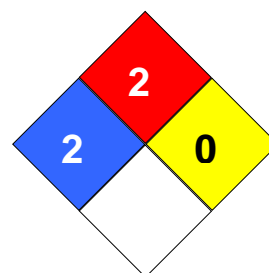
Version 4.3

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.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing	PICCS	Philippines Inventory of

**Biodiesel Blends**

Version 4.3

Revision Date 2016-06-07

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