

# Greenergy SAFETY DATA SHEET

## For Fuels, diesel

To msdsinfo  
 From Greenergy Fuels Limited  
 Unique Reference No. 03  
 Date 17 Jan 2012 15:12

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

#### 1.1 Product Identification

Substance Fuels, diesel  
 Commercial Product Name Ultra Low Sulphur Gasoil  
 Synonyms  
 CAS 68334-30-5  
 ECHA Registration No. 01-2119484664-27-0178

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

Specific Use(s) Fuel for use in diesel engine vehicles designed to run on automotive diesel  
 Exposure Scenario(s)  
 Uses Advised Against  
 Chemical Safety Report

#### 1.3 Details of the supplier of the SDS

Company Greenergy Fuels Limited  
 High Holborn  
 London  
 WC1V 7BD  
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 Fax

#### 1.4 Emergency telephone number

Emergency telephone number 02074047700  
 Opening Hours

Version No	3.0
Last Updated	1 Jan 2011
Supersedes	2.0

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## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### 2.1.1. Classification according to Regulation (EU) 1272/2008

CLP-Classification : The product is classified as hazardous in accordance with Directive 1272/2008/EEC.

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Acute Tox. 4 (Inhalation)	H332
Carc. 2	H351
Asp.Tox. 1	H304
STOT RE 2	H373
Aquatic Chronic 2	H411

For the full text of classification codes and/or H-phrases in this section, see section 16.

#### 2.1.2. Classification according to EU Directives 67/548/EEC or 1999/45/EC

Classification : The product is classified as dangerous in accordance with Directive 67/548/EEC.

Carc.Cat.3;R40  
Xn;R20  
Xn;R65  
Xi;R38  
N;R51/53

For the full text of R-phrases in this section, see section 16.

### 2.2 Label elements

#### 2.2.1. Labelling according to Regulation (EU) 1272/2008

CLP pictograms :



GHS02

GHS08

GHS07

GHS09

Signal word :

Danger

CLP Hazard statements :

H226 - Flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H332 - Harmful if inhaled.  
H351 - Suspected of causing cancer  
H373 - May cause damage to organs through prolonged or repeated exposure  
H411 - Toxic to aquatic life with long lasting effects.

CLP Precautionary statements :

P261 - Avoid breathing vapours.  
P280 - Wear protective gloves.  
P301+P310 - If swallowed, immediately call a doctor.  
P331 - Do NOT induce vomiting  
P501 - Dispose of contents/container to hazardous or special waste collection point.

#### 2.2.2. Labelling according to Directives (67/548/EEC - 1999/45/EC)

Not relevant

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### **2.3. Other hazards**

No data available

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1. Substances**

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Fuels, diesel	(CAS no) 68334-30-5 (EC No) 269-822-7 (EC Index) 649-224-00-6	100	Carc.Cat.3;R40 Xn;R20 Xn;R65 Xi;R38 N;R51/53
Substance name	Product identifier	%	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
Fuels, diesel	(CAS no) 68334-30-5 (EC No) 269-822-7 (EC Index) 649-224-00-6	100	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Aquatic Chronic 2, H411 Asp.Tox. 1, H304

For the full text of R- and H-phrases in this section, see section 16.

### **3.2. Mixtures**

Not applicable

## **4. FIRST AID MEASURES**

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

Inhalation	: Keep at rest. Move to fresh air. Consult a physician if necessary.
Skin contact	: After contact with skin, wash immediately with plenty of soap and water. If skin irritation persists, call a physician.
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Ingestion	: Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Obtain medical attention.

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

Inhalation	: May cause irritation of respiratory tract. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Skin contact	: Repeated exposure may cause skin dryness or cracking.
Eye contact	: Contact with eyes may cause irritation.
Ingestion	: Harmful: may cause lung damage if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

No data available

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## 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

- Suitable extinguishing media : Use dry chemical, CO<sub>2</sub>, water spray or alcohol resistant foam.  
 Extinguishing media which shall not be used for safety reasons : High volume water jet

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

- Fire Hazard : Combustible material  
 Specific hazards : Vapours may form explosive mixture with air. Vapours are heavier than air and may spread along floors. Flash back possible over considerable distance. The pressure in sealed containers can increase under the influence of heat. Cool containers / tanks with water spray. Burning produces noxious and toxic fumes. Possible decomposition products are: CO<sub>x</sub>, H<sub>2</sub>S, SO<sub>x</sub> Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### 5.3. Advice for firefighters

- Special protective equipment for fire-fighters : Wear personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

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

- Personal precautions : Wear personal protective equipment. See also section 8. Evacuate personnel to safe areas. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Do not smoke.

### 6.2. Environmental precautions

- Environmental precautions : Do not flush into surface water or sanitary sewer system.

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

- Methods for cleaning up : Remove all sources of ignition. Do not use tools which may produce sparks. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dam up. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

- Handling : Wear personal protective equipment. See also section 8 Always replace cap after use. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Use only in well-ventilated areas. Keep away from food, drink and animal feedingstuffs.

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

- Storage : Do not store near or with any of the incompatible materials listed in section 10. Store in original container. Keep tightly closed in a dry, cool and well-ventilated place.  
 Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product. Use only in area provided with appropriate exhaust ventilation.

### 7.3. Specific end use(s)

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Specific use(s) : see chapter Exposure scenario

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Component** : **Fuels, diesel (68334-30-5)**  
 TLV-TWA (mg/m<sup>3</sup>) : 100 (Belgium)  
 TLV-STEL (mg/m<sup>3</sup>) : (mist) 10 (United Kingdom); 3 (Sweden)

DNEL : Exposure scenario

PNEC : Exposure scenario

### 8.2. Exposure controls

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. Recommended Filter type: A (EN 141) Respirator with a half face mask (EN 140) Full face mask (EN 136)

Hand protection : Rubber gloves (EN 374) The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.

Eye protection : Safety glasses (EN 166)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance : liquid  
 Colour : no data available  
 Odour : characteristic

pH : no data available  
 Boiling point/boiling range : ca. 170 - 370 °C  
 Melting point/range : no data available  
 Flash point : ca. > 55 °C  
 Explosive properties : no data available  
 Oxidizing properties : no data available  
 Evaporation rate : no data available  
 Vapour pressure : ~ < 1 hPa @ 20°C  
 Vapour density : no data available  
 Solubility in other solvents : slightly soluble (<20 mg/l, 20°C)  
 Viscosity : no data available  
 Density : ~ 0,84 g/cm<sup>3</sup> @ 15°C  
 Partition coefficient: n-octanol/water : ~ > 3

### 9.2. Other information

No data available

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## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity : Flammable liquid  
See also section 10.5

### 10.2. Chemical stability

Stability : Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5. Incompatible materials

Incompatible materials : Incompatible with strong acids and oxidizing agents. Bases

### 10.6. Hazardous decomposition products

Hazardous decomposition products : Burning produces noxious and toxic fumes. Possible decomposition products are: CO<sub>x</sub>, H<sub>2</sub>S, SO<sub>x</sub>

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### General Information

#### Acute toxicity

**Component** : **Fuels, diesel (68334-30-5)**  
LD50/oral/rat : > 5000 mg/kg

Inhalation : May cause irritation of respiratory tract. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Skin contact : Repeated exposure may cause skin dryness or cracking.

Eye contact : Contact with eyes may cause irritation.

Ingestion : Harmful: may cause lung damage if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

#### Chronic toxicity

Chronic toxicity : Limited evidence of a carcinogenic effect.

#### Further information

No data available

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecotoxicity effects : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**Component** : **Fuels, diesel (68334-30-5)**  
 LC50/96h/fish : 54 mg/l (Jordanelia floridae)

**12.2. Persistence and degradability**

Persistence and degradability : No information available.

**12.3. Bioaccumulative potential**

Bioaccumulation : May cause bioaccumulation.  
 Partition coefficient: n-octanol/water : ~ > 3

**12.4. Mobility in soil**

Mobility : slightly soluble (Ethanol)

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Other adverse effects**

No data available

**13. DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Waste from residues / unused products : In accordance with local and national regulations. Do not burn, or use a cutting torch on, the empty drum. Do not puncture or incinerate.  
 Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC) : The following Waste Codes are only suggestions: 130701 - fuel oil and diesel 150110 - packaging containing residues of or contaminated by dangerous substances Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

**14. TRANSPORT INFORMATION**

**14.1. UN Number**

UN number : 1202

**14.2. UN proper shipping name**

Proper shipping name : GAS OIL / DIESEL FUEL / HEATING OIL, LIGHT

**14.3. Transport hazard class(es)**

**14.3.1. Overland transport**

Class : 3 - Flammable liquids  
 Danger code : 30  
 ADR classification code : F1  
 ADR danger labels : 3 - Flammable liquid



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Orange plates



ADR tunnel restriction code : D/E  
 ADR limited quantities : LQ07  
 ADR excepted quantities : E1

Inland waterway transport (ADN/ADNR)

ADNR class : 3

**14.3.2. Transport by sea**

Class : 3 - Flammable liquids  
 EmS : F-E, S-E

**14.3.3. Air transport**

Class : 3 - Flammable liquids

**14.4. Packing group**

Packing group : III

**14.5. Environmental hazards**

Marine pollutant : P



Other information (transport) : No supplementary information available.

**14.6. Special precautions for users**

No data available

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

No data available

**15. REGULATORY INFORMATION**

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

**15.1.1. EU-Regulations**

No data available

**15.1.2. National regulations**

WGK : 3

**15.2. Chemical Safety Assessment**

Chemical Safety assessment : A Chemical Safety Assessment has been carried out for this substance.

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## 16. OTHER INFORMATION

Text of R phrases mentioned in Section 3	: R20 -Harmful by inhalation. R38 -Irritating to skin. R40 -Limited evidence of a carcinogenic effect. R51/53 -Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 -Harmful: may cause lung damage if swallowed.
H-statements components	: H226 -Flammable liquid and vapour. H304 -May be fatal if swallowed and enters airways. H315 -Causes skin irritation. H332 -Harmful if inhaled. H351 -Suspected of causing cancer H373 -May cause damage to organs through prolonged or repeated exposure H411 -Toxic to aquatic life with long lasting effects.
Sources of key data used to compile the datasheet	: European Chemicals Bureau 20100824 Concawe C&L Update, version 3.0
Updated sections	: 2,3,15,16

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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# SUMMARY OF CHANGES

For 68334-30-5

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The following changes have been made to this eSDS:

**Version 2.0 updated to Version 3.0 - 30 Nov 2010**

- Sections 2-16 updated

**Version 1.0 updated to Version 2.0 - 24 Jun 2009**

- Sections 2-16 updated

**Version - updated to Version 1.0 - 24 Jun 2009**

- Sections 2-16 updated