



## ESS eSDS™ Services ESS eSDS™ Cover Sheet

TO:	Greenergy
DATE:	02 Dec 10 12:34

SDS DETAILS	
CAS:	68334-30-5
SUBSTANCE:	Fuels, diesel
SDS LANGUAGE:	English
NOTES:	

DEAL DETAILS	
INCOMING REF NO:	
VESSEL / BARGE:	
LOCATION:	United Kingdom
ESTIMATED ARRIVAL DATE:	
APPROXIMATE TONNAGE:	
ADDITIONAL INFORMATION:	

# Greenergy

## SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING	
Commercial Product Name	Ultra Low Sulphur Diesel
Product Identifier:	
Company	Greenergy Fuels Limited
	198
	High Holborn
	London
	WC1V 7BD
	United Kingdom
Telephone number	02074047700
Email	msds-info@greenergy .com
Fax	
Emergency telephone number	02074047700

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N : Dangerous for the environment



Xn : Harmful

## 2. HAZARDS IDENTIFICATION

- Most important hazards : The product is classified as dangerous in accordance with Directive 67/548/EEC. Limited evidence of a carcinogenic effect. Repeated exposure may cause skin dryness or cracking. Harmful: may cause lung damage if swallowed.
- Environmental properties : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name	Value(s)	CAS No / EC No / EC Index	Symbol(s)	R-Phrase(s)
Fuels, diesel	: 100 %	68334-30-5 / 269-822-7 / 649-224-00-6	Xn N	40-65-66-51/53
Full text of R-phrases	: See section 16.			

## 4. FIRST AID MEASURES

- 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.
- Additional advice : Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

- Fire Hazard : Combustible material
- Suitable extinguishing media : Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam
- Extinguishing media which must not be used for safety reason : High volume water jet
- 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 spray water. Burning produces obnoxious 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

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## 5. FIRE-FIGHTING MEASURES (continued)

Specific methods : accordance with local regulations.  
: Wear personal protective equipment.  
Wear self-contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

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

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

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

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.

Handling : See also section 8.  
Wear personal protective equipment.  
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 feeding stuffs.  
Handle in accordance with good industrial hygiene and safety practice.

Specific use(s) : Additive

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. (filter type: A2)

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 gloves supplier.

Eye protection : Safety glasses (EN 166)

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.

Exposure limit(s) : Fuels, diesel : TLV-TWA (mg/m<sup>3</sup>) : (mist) 5 (Belgium, United Kingdom, France, Germany, the Netherlands, Spain, Finland, Denmark, Norway); 1 (Sweden)

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

Fuels, diesel : TLV-STEL (mg/m<sup>3</sup>) : (mist) 10 (Belgium, United Kingdom); 3 (Sweden)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Colour	: No data available
Odour	: Characteristic
pH	: No data available
Melting point/range	: No data available
Boiling point/range	: ca 170 - 370°C
Density	: ca 0,84 g/cm <sup>3</sup> (15°C)
Flash point	: ca >55°C
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: ca < 1 hPa (20°C)
Solubility	: Slightly soluble (<20 mg/l, 20°C)
Partition coefficient (n-octanol/water)	: ca > 3
Viscosity	: No data available
Vapour density	: No data available
Pour point	: ca < -12°C
Evaporation rate	: No data available

## 10. STABILITY AND REACTIVITY

Stability	: Stable at normal conditions.
Hazardous decomposition products	: Burning produces obnoxious and toxic fumes. Possible decomposition products are: CO <sub>x</sub> , H <sub>2</sub> S, SO <sub>x</sub>
Materials to avoid	: Incompatible with strong acids and oxidising agents Bases
Conditions to avoid	: Heat, flames and sparks.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	: • Fuels, diesel : LD50/oral/rat : > 5000 mg/kg • Fuels, diesel : LD50/dermal/rabbit : > 2000 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	: Limited evidence of a carcinogenic effect.

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## 12. ECOLOGICAL INFORMATION

Persistence and degradability	: No information available
Mobility	: Slightly soluble
Ecotoxicity effects	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. • Fuels, diesel : LC50/96h/fish : 54 mg/l (Jordanella floridae)
Bioaccumulation	: May cause bioaccumulation. log Pow = > 3

## 13. DISPOSAL CONSIDERATIONS

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: 13 07 01* - fuel oil and diesel 15 01 10* - 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

Class



ADR/RID	
UN-No	: 1202
Proper shipping name	: GAS OIL
Class	: 3
Packing group	: III
IMDG	
UN-No	: 1202
Class	: 3
Packing group	: III
Proper shipping name	: GAS OIL
EmS	: F-E; S-E
ICAO/IATA	
UN-No	: 1202
Class	: 3
Packing group	: III
Proper shipping name	: GAS OIL

## 15. REGULATORY INFORMATION

Symbol(s):	: Xn - Harmful N - Dangerous for the environment
R-phrases(s)	: 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.

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### 15. REGULATORY INFORMATION (continued)

S-phrase(s)	R66 - Repeated exposure may cause skin dryness or cracking. : S37 - Wear suitable gloves. S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.
Labelling	: The product is classified as dangerous in accordance with Directive 67/548/EEC. Fuels, diesel (EINECS : 269-822-7)
Contains	: Fuels, diesel

### 16. OTHER INFORMATION

Sources of key data used to compile the datasheet	: European Chemicals Bureau : ecb.jrc.it
Text of R phrases mentioned in Section 3	: 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. R66 - Repeated exposure may cause skin dryness or cracking.

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 1967/548/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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