



## ESS eSDS™ Services ESS eSDS™ Cover Sheet

TO:	Greenergy
DATE:	02 Dec 10 12:46

SDS DETAILS	
CAS:	86290-81-5
SUBSTANCE:	Gasoline
SDS LANGUAGE:	English
NOTES:	

DEAL DETAILS	
INCOMING REF NO:	
VESSEL / BARGE:	
LOCATION:	United Kingdom
ESTIMATED ARRIVAL DATE:	
APPROXIMATE TONNAGE:	1000 Metric Tonnes
ADDITIONAL INFORMATION:	

# Greenergy

## SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING	
Commercial Product Name	Unleaded Petrol and Super Unleaded Petrol
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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## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### 2.1.1. Classification according to Regulation (EU) 1272/2008 (Annex VII of CLP)

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

#### 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.

#### 2.1.3. Adverse human effects

Most important hazards : R12 - Extremely flammable.  
R38 - Irritating to skin.  
R45 - May cause cancer.  
R46 - May cause heritable genetic damage.  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R63 - Possible risk of harm to the unborn child.  
R65 - Harmful: may cause lung damage if swallowed.  
R67 - Vapours may cause drowsiness and dizziness.

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

### 2.2 Label elements

#### 2.2.1. Labelling according to Regulation (EU) 1272/2008 (Annex VII of CLP)



Signal word : Danger

CLP Hazard statements : H224 - Extremely flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H350 - May cause cancer  
H340 - May cause genetic defects  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.

CLP Precautionary statements : P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P202 - Do not handle until all safety precautions have been read and understood  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse  
P281 - Use personal protective equipment as required  
P273 - Avoid release to the environment

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



T : Toxic



N : Dangerous for the environment



F+ : Extremely flammable

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Contains : Gasoline  
R-phrases(s) : R12 - Extremely flammable.  
R38 - Irritating to skin.  
R45 - May cause cancer.  
R46 - May cause heritable genetic damage.  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R63 - Possible risk of harm to the unborn child.  
R65 - Harmful: may cause lung damage if swallowed.  
R67 - Vapours may cause drowsiness and dizziness.

S-phrases : S36/37 - Wear suitable protective clothing and gloves  
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)  
S53 - Avoid exposure - obtain special instructions before use.  
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

### 2.3. Other hazards

No data available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances / 3.2. Mixtures

REACH type : Substance

Substance name	Values (%)	CAS no	EC No	EC Index	Symbol(s):	R-phrases(s)
Gasoline	0 - 100	88606-11-1	271-727-0	649-270-00-7	F+, T, N	R12, R38, R45, R46, R51/53, R65, R67

Full text of R-phrases: See section 16.

Substance name	Values (%)	CAS no	EC No	EC Index	CLP pictograms	CLP Hazard statements
Gasoline	0 - 100	88606-11-1	271-727-0	649-270-00-7	GHS02,GHS08,GHS07,GHS09	H224,H304,H340,H350,H315,H336,H411

Full text of the H-statements: See section 16.

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation : Keep at rest.  
Move to fresh air.  
Oxygen or artificial respiration if needed.  
Call a physician immediately.

Skin contact : Wash off immediately with soap and plenty of water.  
Take off contaminated clothing and shoes immediately.  
Wash contaminated clothing before re-use.

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- If skin irritation persists, call a physician.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
If eye irritation persists, consult a specialist.
- Ingestion : Do NOT induce vomiting.  
Drink plenty of water.  
Never give anything by mouth to an unconscious person.  
Consult a physician.

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

- Inhalation : Vapours may cause drowsiness and dizziness.
- Skin contact : Irritating to skin.
- Eye contact : Contact with eyes may cause irritation.
- Ingestion : Harmful: may cause lung damage if swallowed.

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

No data available

### **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**

- Specific hazards : Extremely flammable. Evacuate personnel to safe areas. Vapours may form explosive mixture with air. Vapours are heavier than air and may spread along floors. Flash back possible over considerable distance. Cool containers / tanks with water spray. Possible decomposition products are: CO<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 : See also section 8. Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Ensure all equipment is electrically grounded before beginning transfer operations. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixture with air. Flash back possible over considerable distance.

#### **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 : Prevent further leakage or spillage if safe to do so. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder,

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sawdust). Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Handling : See also section 8 Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Always replace cap after use. Do not burn, or use a cutting torch on, the empty drum. Do not puncture or incinerate. Ensure all equipment is electrically grounded before beginning transfer operations.

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

Storage : Keep tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Do not store near or with any of the incompatible materials listed in section 10.

### 7.3. Specific end use(s)

Specific use(s) : see chapter Exposure scenario

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Component** : **Gasoline (88606-11-1)**  
 TLV-TWA (mg/m<sup>3</sup>) : 5 (Belgium, United Kingdom, France, the Netherlands, Spain, Finland, Denmark, Norway); 1 (Sweden); 250 (UT4, Kraftstoff, Germany)  
 TLV-STEL (mg/m<sup>3</sup>) : 10 (Belgium, 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. (type A2)  
 Hand protection : Rubber gloves (EN 374)- Nitrile rubber 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 (EN166)  
 Hygiene measures : Use only in area provided with appropriate exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance : liquid

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Colour	:	yellow
Odour	:	petroleum hydrocarbon odour
pH	:	no data available
Boiling point/boiling range	:	~ 25 - 200 °C
Melting point/range	:	~ < -60 °C
Flash point	:	~ < -40 °C
Autoignition temperature	:	~ 280 - 470 °C
Explosive properties	:	no data available
Oxidizing properties	:	no data available
Evaporation rate	:	no data available
Vapour pressure	:	~ 350 - 900 hPa @ 37,8°C
Vapour density	:	no data available
Water solubility	:	slight (30 - 100 mg/l @ 20°C)
Viscosity	:	no data available
Relative density	:	~ 0,68 - 0,79 @ 15°C
Partition coefficient: n-octanol/water	:	2,1 - 6

## **9.2. Other information**

No data available

## **10. STABILITY AND REACTIVITY**

### **10.1. Reactivity**

No data available

### **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 : Oxidizing agents

### **10.6. Hazardous decomposition products**

Hazardous decomposition products : Carbon oxides

## **11. TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### **General Information**

No data available

#### **Acute toxicity**

<b>Component</b>	:	<b>Gasoline (88606-11-1)</b>
LD50/oral/rat	:	> 5000 mg/kg
LD50/dermal/rat	:	> 2000 mg/kg

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Inhalation : Vapours may cause drowsiness and dizziness.  
Skin contact : Irritating to skin.  
Eye contact : Contact with eyes may cause irritation.  
Ingestion : Harmful: may cause lung damage if swallowed.

### Chronic toxicity

Chronic toxicity : May cause cancer. May cause heritable genetic damage. May cause harm to the unborn child.

### 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.

**Component** : **Gasoline (88606-11-1)**

LC50/96h/fish : 82 mg/l

EC50/48h/daphnia : 7,6 mg/l

### 12.2. Persistence and degradability

Persistence and degradability : Inherently biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulation : Does not bioaccumulate.

Partition coefficient: n-octanol/water : 2,1 - 6

### 12.4. Mobility in soil

Mobility : slightly soluble

### 12.5. Results of PBT and vPvB assessment

Is PBT substance/mixture : X

PBT assessment : Carcinogenic Category 2

### 12.6. Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Waste from residues / unused products : Dispose of in accordance with local regulations.

Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC) : The following Waste Codes are only suggestions: 130702 - petrol  
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

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UN number : 1203

**14.2. UN proper shipping name**

Proper shipping name : MOTOR SPIRIT / GASOLINE / PETROL  
 Transport document description : UN 1203 MOTOR SPIRIT / GASOLINE / PETROL, 3, II, (D/E)

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

**14.3.1. Overland transport**

Class : 3 - Flammable liquids  
 Danger code : 33  
 ADR classification code : F1  
 ADR danger labels : 3 - Flammable liquid



ADR tunnel restriction code : D/E  
 ADR limited quantities : LQ04  
 ADR excepted quantities : E2

**Inland waterway transport (ADN/ADNR)**

ADNR UN number : 1203  
 ADNR class : 3  
 ADNR packing group : II  
 ADNR danger labels : 3

**14.3.2. Transport by sea**

IMDG :  
 EmS : F-E, S-E

**14.3.3. Air transport**

No data available

**14.4. Packing group**

Packing group : II

**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



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## 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

No data available

## 16. OTHER INFORMATION

Text of R phrases mentioned in Section 3	: R12 -Extremely flammable. R38 -Irritating to skin. R45 -May cause cancer. R46 -May cause heritable genetic damage. R51/53 -Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 -Harmful: may cause lung damage if swallowed. R67 -Vapours may cause drowsiness and dizziness.
H-statements components	: H224 -Extremely flammable liquid and vapour. H304 -May be fatal if swallowed and enters airways. H315 -Causes skin irritation. H336 -May cause drowsiness or dizziness. H340 -May cause genetic defects H350 -May cause cancer H411 -Toxic to aquatic life with long lasting effects.
Sources of key data used to compile the datasheet	: European Chemicals Bureau CONCAWE (July 2005)
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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