

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Diesel / Ultra Low Gas Oil

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Fuels

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Inver Energy Ltd  
River House Blackpool Park  
Cork - Ireland  
T +353 21 4396950  
[inver@inverenergy.com](mailto:inver@inverenergy.com)

#### 1.4. Emergency telephone number

Emergency number : + 353 21 4396590  
09.00-17.00 GMT

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226

Carc. 2 H351

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.3; R40

R10

Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02



GHS08

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H226 - Flammable liquid and vapour  
H351 - Suspected of causing cancer

Precautionary statements (CLP) :

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical/ventilating/lighting/... equipment

#### 2.3. Other hazards

No additional information available

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according to Regulation (EC) No. 453/2010

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Fuels, diesel	(CAS No) 68334-30-5 (EC no) 269-822-7 (EC index no) 649-224-00-6 (REACH-no) 01-2119484664-27	93 - 100	Carc.Cat.3; R40 Xn; R65 Xi; R38 N; R51/53 Xn; R20
2-Ethylhexyl nitrate substance with national workplace exposure limit(s) (PL)	(CAS No) 27247-96-7 (EC no) 248-363-6 (REACH-no) 01-2119539586-27	< 2	Xn; R20/21 R44 R52/53

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fuels, diesel	(CAS No) 68334-30-5 (EC no) 269-822-7 (EC index no) 649-224-00-6 (REACH-no) 01-2119484664-27	93 - 100	Asp. Tox. 1, H304 Skin Irrit. 2, H315 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Aquatic Chronic 2, H411
2-Ethylhexyl nitrate substance with national workplace exposure limit(s) (PL)	(CAS No) 27247-96-7 (EC no) 248-363-6 (REACH-no) 01-2119539586-27	< 2	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411

Full text of R- and H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.
- First-aid measures after skin contact : Rinse immediately with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
- First-aid measures after ingestion : Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. May result in aspiration into the lungs, causing chemical pneumonia. Do NOT induce vomiting. Get immediate medical advice/attention.

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

No additional information available

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO<sub>2</sub>), water, dry chemical powder.
- Unsuitable extinguishing media : Do not use water jet.

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

- Fire hazard : Flammable liquid.
- Explosion hazard : Vapours can form explosive mixtures with air.
- Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide.

#### 5.3. Advice for firefighters

- Firefighting instructions : Move undamaged containers from immediate hazard area if it can be done safely. Cool down the containers exposed to heat with a water spray. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : In case of fire: Wear self-contained breathing apparatus. Wear positive pressure air supplied respirator if required by safe entry procedures.

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Protective equipment : In case of fire: Wear self-contained breathing apparatus.
- Emergency procedures : Evacuate and limit access. Use care in walking on spilled material. Spilled material may present a slipping hazard. Ensure adequate ventilation. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

##### 6.1.2. For emergency responders

- Protective equipment : In case of fire: Wear self-contained breathing apparatus. Wear suitable protective clothing.
- Emergency procedures : Evacuate and limit access. Spilled material may present a slipping hazard. Use care in walking on spilled material. Eliminate all ignition sources if safe to do so. Provide adequate ventilation.

#### 6.2. Environmental precautions

Do not allow run-off from fire-fighting to enter drains or water courses. Relevant water authorities should be notified of any large spillage to water course or drain. Do not discharge into drains or the environment.

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

- For containment : Stop leak if safe to do so. Ventilate affected area. Prevent entry to sewers and public waters.
- Methods for cleaning up : Use only antistatically equipped (spark-free) tools. Dispose of waste according to applicable legislation. Move container from spill area. Ensure all waste water is collected and treated via a waste water treatment plant. Contain and/or absorb spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Risk of explosive mixtures of vapour in air. Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Containers remain hazardous when empty. Continue to observe all precautions. Ground/bond container and receiving equipment. Avoid contact with skin, eyes and clothes. Open and handle container with care. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

- Technical measures : Use only antistatically equipped (spark-free) tools.
- Storage conditions : Keep container tightly closed. Store in dry, cool, well-ventilated area. Protect against direct sunlight.
- Heat and ignition sources : Remove all sources of ignition. Store away from excessive heat.
- Storage area : Store in a well-ventilated place. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store according to local legislation. Limit access only to the necessary cleaning personnel.
- Special rules on packaging : Correctly labelled.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

2-Ethylhexyl nitrate (27247-96-7)		
Poland	NDS (mg/m <sup>3</sup> )	3,5 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>

#### 8.2. Exposure controls

- Appropriate engineering controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

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Personal protective equipment

: In case of splash hazard: safety glasses. Face shield. Protective clothing.



Hand protection

: Wear suitable gloves tested to EN374. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection

: Use safety glasses with side-shields or goggles. DIN EN 166.

Skin and body protection

: Wear protective shoes. Wear suitable protective clothing.

Respiratory protection

: An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: dark brown. light brown. red. green.
odour	: rotten eggs.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 56 °C Closed Cup (Pensky-Martens)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0,8 - 0,93 g/cm <sup>3</sup>
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 0,01 - 0,02 cSt
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1 - 6 vol %

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.

### 10.5. Incompatible materials

Oxidizing agents.

### 10.6. Hazardous decomposition products

Stable under normal conditions of use.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Fuels, diesel (68334-30-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000
LC50 inhalation rat (mg/l)	1 - 5 mg/l/4h

2-Ethylhexyl nitrate (27247-96-7)	
LD50 oral rat	> 10000
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Suspected of causing cancer.  
Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified  
Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose of this material and its container to hazardous or special waste collection point.  
Waste treatment methods : Recycle or dispose of in compliance with current legislation. If recycling is not possible, suitable routes of disposal are supervised incineration with energy recovery according to the characteristic of material at the time of disposal and based on local legislation.  
Waste disposal recommendations : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Dispose of this material and its container to hazardous or special waste collection point. Handle empty containers with care because residual vapours are flammable.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. : 1202

#### 14.2. UN proper shipping name

Proper Shipping Name : DIESEL FUEL  
Transport document description : UN 1202 DIESEL FUEL, 3, III, (D/E)

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### 14.3. Transport hazard class(es)

Class (UN) : 3  
Classification code (UN) : F1  
Hazard labels (UN) : 3



### 14.4. Packing group

Packing group (UN) : III

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Transport regulations (ADR) : Subject to the provisions  
Hazard identification number (Kemler No.) : 30  
Classification code (UN) : F1  
Orange plates :



Special provision (ADR) : 640K, 363  
Transport category (ADR) : 3  
Tunnel restriction code : D/E  
Limited quantities (ADR) : 5L  
Excepted quantities (ADR) : E1  
EAC code : 3Y

#### 14.6.2. Transport by sea

Transport regulations (IMDG) : Subject to the provisions  
Special provision (IMDG) : 363  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-E

#### 14.6.3. Air transport

Transport regulations (IATA) : Subject to the provisions  
CAO packing instructions (IATA) : 366  
PCA packing instructions (IATA) : 355  
PCA Limited quantities (IATA) : Y344

#### 14.6.4. Inland waterway transport

No additional information available

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions  
Contains no REACH candidate substance

Seveso Information :

#### 15.1.2. National regulations

No additional information available

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### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Other information : It is the user's responsibility to take the mentioned precautionary measures and to ensure that this information is complete and sufficient for the use of this product. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 3	flammable liquids Category 3
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
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
R10	Flammable
R20	Harmful by inhalation
R20/21	Harmful by inhalation and in contact with skin
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R44	Risk of explosion if heated under confinement
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

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