

SAFETY DATA SHEET

UN1268 PETROL (ENVIRONMENTALLY HAZARDOUS) PETROLEUM DISTILLATES NOS

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE & THE UNDERTAKING.

Commercial Product Name:	Petroleum Distillates
ADR Identification:	UN1268 Petroleum Distillates NOS (Environmentally Hazardous) 3, II, (D/E)
Use of the substance material:	Fuel
Company:	Refuels Ltd The Red House, 111-113 High Street Berkhamsted Hertfordshire HP4 2JF
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2. HAZARDS IDENTIFICATION.

2.1 Classification

2.1.1 Classification according to Regulation (EU) 1272/2008

This product is classified as hazardous in accordance with regulation (EU) No 1272/2008

Flam Lig 1 H224

Skin Irrit 2 H315

Acute Tox. 4 (Inhalation); H332

Muta 1B H340

Carc 1B H350

Repr 2 H361fd

STOT SE 3 H336

Asp. Tox 1 H304

Aquatic Chronic 2 H411

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

This product is classified as dangerous in accordance with Directive 1999/45/EC

Carc.Cat.1; R45

Muta.Cat.1; R46

Repr.Cat.3; R62

Repr.Cat.3; R63

F+; R12

Xn : R20

Xn; R65

Xi; R38

N; R51/53

R67

2.2 Label Elements

2.2.1 Labelling according to Regulation (EU) 1272/2008

CLP Pictograms



Signal Word: Danger

Hazard statements

H224 - Extremely flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness.
H340 - May cause genetic defects.
H351 - Suspected of causing cancer.
H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 - Obtain special instructions before use.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 - Avoid breathing vapours.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P331 - Do not induce vomiting
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to an approved waste disposal plant

2.2.2 Labelling according to Directive (67/548 – 1999/45)

Symbols:



F+ - Extremely Flammable



T – Toxic



N – Dangerous for the environment

R-phrases

R12 - Extremely flammable.
R20 – Harmful by inhalation
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.
R62 - Possible risk of impaired fertility.
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

S23 - Do not breathe vapour.
S24 – Avoid contact with skin
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.
S62 – If swallowed, do not induce vomiting: seek medical advice immediately.

3. COMPOSITION.

3.1 Mixture

Classification according to Directive 67/548/EEC

SUBSTANCE NAME	VALUE(S)	Identifier	EC NO	EC INDEX	CERTIFICATE
GASOLINE	Ca 90%	CAS Num - 86290-81-5 REACH Num – 01-2119471335-39-xxxx	289-220-8	649-378-00-4	F+: R12, Carc, Cat.1: R45 Muta, Cat 1: R46 Repr, Cat 3: R62 Repr, Cat 3 R63 Xn: R65 Xi: R38 R67

					N:R51-53
Fuel DIESEL	Ca 10%	CAS 68334-30-5 REACH Num – 01- 2119484664-27-xxxx	269-822-7	649-227-006	Carc.Cat.3; R40 Xn: R20 Xn: R65 Xn: R38 N: R51-53

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

SUBSTANCE NAME	VALUE(S)	Identifier	EC NO	EC INDEX	CERTIFICATE
GASOLINE	Ca 90%	CAS Num - 86290-81-5 REACH Num – 01- 2119471335-39-xxxx	289-220-8	649-378-00-4	Flam. Liq. 1, H224 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361fd STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Fuel DIESEL	Ca 10%	CAS 68334-30-5 REACH Num – 01- 2119484664-27-xxxx	269-822-7	649-227-006	Flam Liq 3 H226 Acute Tox 4, H332 Skin Irrit. 2, H315 Carc. 2 H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

4. FIRST AID MEASURES.

Inhalation	Keep at rest Move to fresh air Oxygen or artificial respiration in required Call a doctor immediately
Skin contact	Wash off immediately Remove contaminated clothing immediately If skin irritation persist consult a doctor
Eye contact	Rinse immediately with plenty of water for at least 15 minutes May be irritating Consult a doctor if irritation persists
Ingestion	Do NOT induce vomiting Drink plenty of water Never give anything by mouth to an unconscious person Consult a doctor May cause lung damage if swallowed
Additional advice	Show this data sheet to any attending doctor or paramedic

5. FIRE FIGHTING MEASURES.

Fire hazard	Extremely flammable
Suitable extinguishing media	Use dry chemical, CO2, water spray or alcohol resistant foam
NOT appropriate measure	High volume water jet
Specific hazards	Evacuate personnel to safe areas. Fire or intense heat may cause a violent rupture of container Cool containers with water spray Vapours may cause an explosive atmosphere when mixed with air Vapours are heavier than air and may spread along floor Flashback possible over long distance Fire residues and contaminated fire extinguishing water must be properly disposed of.
Specific measures	Wear personal protective equipment Wear self contained breathing apparatus if required

6. ACCIDENTAL RELEASE MEASURES.

Personal precautions	<p>Wear personal protective equipment Do not breathe spray or mist Avoid contact with the skin, clothing and eyes Ensure adequate ventilation Keep segregated for open flames, sparks or sources of ignition Ensure all electrical equipment is earthed / grounded / bonded Vapours are heavier than air and may spread Vapours form an explosive mixture with air Flashback possible over a long distance</p>
Environmental precautions	<p>Do not flush into sewers or drains Remove all sources of ignition Use only explosion proof equipment and materials Prevent further leakage if safe to do so Soak up spills with absorbent materials Dispose of in accordance with regulations</p>

7. HANDLING & STORAGE.

Storage	<p>Keep in tightly closed containers in a cool well ventilated place Keep away from open flames, spark and sources of ignition Do not store with incompatible substances (see 10)</p>
Handling	<p>See section 8 Wear personal protective equipment Handle in accordance with industrial safety practices Avoid contact with skin, clothing and eyes Wash hands before eating after handling Do not breathe vapour, mist or spray Ensure adequate ventilation Keep away from open flames and sources of ignition Ensure all electrical equipment is earthed / grounded / bonded Do not burn, cut or destroy empty containers Do not puncture or incinerate When in use do not eat or drink Ensure closures are secure</p>
Use	Fuel

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Control parameters

Exposure limit(s)	
Component:	Gasoline (86290-81-5)
TLV-TWA (ppm):	300 (CH, VLA-ED Spain, 2008)
TLV-TWA (mg/m ³):	1100 (CH), 250 (UT4, Kraftstoff, DE); mist: 5 (BE, GB, FR, NL, ES, FI, DK, NO); mist: 1 (SE);
TLV-STEL (mg/m ³):	mist: 10 (BE, GB); mist: 3 (SE)

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment (type A1/A2/A3/P2, EN 141/136/140/137/143)
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Hand protection	Rubber gloves (EN 374), Nitrile rubber, PVC disposable gloves The selection of specific gloves for a specific application and time of use in a working area should be taken into account including the other factors of the working area, including other chemicals being used, physical requirements (protection)
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Eye protection	Safety glasses (EN 166)
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Hygiene measures	<p>Only use in an area with adequate exhaust ventilation Wash hands and face before breaks and immediately after handling product Use only in an area equipped with a safety shower Eye wash bottle with pure water</p>
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Engineering measures	Ensure adequate ventilation
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Environmental exposure controls	<p>Gasoline – TLV-TWA, TLV-STEL Diesel – TLV-TWA, TLV-STEL</p>
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Colour	yellow
Odour	petroleum hydrocarbon odour
Boiling point	ca 25 – 200 Celsius
Melting point	ca <-60 Celsius
Flash point	ca <-40 Celsius
Autoignition temperature	ca 280-470 Celsius
Vapour pressure	ca 350-900 hPa @ 37 Celsius
Relative density	ca 0,68 – 0,79 @ 15 Celsius
Water solubility	slight (30 – 100 ml / l)
Partition coefficient	2, 1-6

10. STABILITY AND REACTIVITY.

Reactivity	Extremely Flammable liquid and vapour
Stability	Stable under normal conditions
Hazardous decomposition products	Carbon oxides
Materials to avoid	Oxidizing agents
Conditions to avoid	Heat, flames, sparks

11. TOXICOLOGICAL INFORMATION.

Acute toxicity	Gasoline –	LD50/oral/rat= >5000mg / kg LD50/derm/rate= >2000mg / kg LD50/inhal/rat= > 5,2 mg / kg
	Diesel –	LD50/oral/rat= >5000mg / kg LD50/derm/rate= >2000mg / kg LD50/inhal/rat= > 4,6 mg / kg
Inhalation	May cause drowsiness and dizziness	
Skin contact	Irritating to the skin	
Eye contact	Contact with eyes may cause irritation	
Ingestion	Harmful, may cause lung damage if swallowed	
Chronic toxicity	May cause cancer May cause heritable genetic disease May cause harm to the unborn child	

12. ECOLOGICAL INFORMATION.

Bioaccumulation	does not bioaccumulate low Pow = 2,1 – 6	
Ecotoxicity effects	toxic to the aquatic environment	
	Gasoline –	EC50/96h/fish= >82mg / l EC50/48h/daphnia= >7,6mg / l EC50/72h/algae= > 19 mg / l
	Diesel –	EC50/96h/fish= >54mg / l
Mobility	Slightly soluble	
Persistence	Inherently biodegradable	

13. DISPOSAL CONSIDERATIONS.

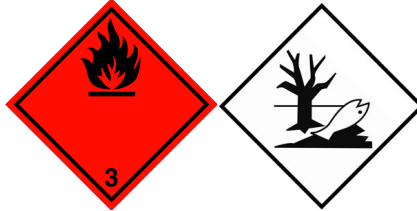
Waste from residues / unused dispose of in accordance with national regulations

Codes of waste 13 07 02 gasoline
13 07 01 diesel

14. TRANSPORT INFORMATION.

14.1 Overland Transport (ADR/RID)

Labels



UN Number: UN1268
Proper shipping name: PETROLEUM DISTILLATES NOS
Class: 3
Packing Group: II
Transport Category: 2
Hazard identification number: 33
Tunnel Code: (D/E)

14.2 Inland Waterway Transport
AND: Hazard: 3+(N2+F)
Class (UN): 3

14.3 Transport by sea (IMDG)
Class: 3 – Flammable Liquids

14.3 Transport by air (IATA)
Class: 3 – Flammable Liquids

Environment: ENVIRONMENTALLY HAZARDOUS

15. REGULATORY INFORMATION

Restrictions on use:
This product contains an ingredient according to the candidate list Of Annex XIV of the REACH Regulations 1907/2006/EC: Not applicable

16. OTHER.

Contact Refuels Ltd for further information:

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