

95 RON / 97 RON Gasoline

(containing up to 5 Vol.-% ethanol)

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



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

1.1 Product identifier

Trade name/designation: 95 RON / 97 RON Gasoline (containing up to 5 Vol.-% ethanol)

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

Specific use(s): Fuel

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Company: Mabanaft Ltd
20th Floor, Portland House
Bressenden Place
SW1E 5BH-London
UNITED KINGDOM

Telephone: : +44 (0)20 7802 3300

Fax: +44 (0)20 7931 8353

E-mail: operations@mabanaft.co.uk

1.4 Emergency telephone number

OAMPS 24/7 Emergency Number: +44 (0)844 560 1124

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

The product is classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

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

Full text of H-phrases: see section 16

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

The mixture 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; R65

Xi; R38

N; R51/53

R67

Full text of R-phrases: see section 16

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2.2 Label elements

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

CLP pictograms



GHS02



GHS07



GHS08



GHS09

Signal word: Danger

Hazard statements

- 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.
- H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.
- 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.
- P403+P235 - Store in a well-ventilated place. Keep cool.

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

Symbol(s)



F+ - Extremely flammable



T - Toxic



N - Dangerous for the environment

Contains

Gasoline Naphtha (petroleum), full-range straight-run

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.
- 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.

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S-phrases

S23 - Do not breathe vapour.

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.

Extra phrases

Reserved for industrial and professional use.

2.3 Other hazards

Results of PBT and vPvB assessment : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Gasoline	(CAS No.) 86290-81-5 (EC No) 289-220-8 (EC Index) 649-378-00-4 (REACH-no) 01-2119471335-39-XXXX	>= 95	F+; R12 Xi; R38 Carc.Cat.1; R45 Muta.Cat.1; R46 Repr.Cat.3; R62 Repr.Cat.3; R63 Xn; R65 R67 N; R51/53
Ethanol	(CAS No.) 64-17-5 (EC No) 200-578-6 (EC Index) 603-002-00-5 (REACH-no) 01-2119457610-43-XXXX	<= 5	F; R11

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Gasoline	(CAS No.) 86290-81-5 (EC No) 289-220-8 (EC Index) 649-378-00-4 (REACH-no) 01-2119471335-39-XXXX	>= 95	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
Ethanol	(CAS No.) 64-17-5 (EC No) 200-578-6 (EC Index) 603-002-00-5 (REACH-no) 01-2119457610-43-XXXX	<= 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Move to fresh air. Keep at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical advice/attention.

Ingestion: Rinse mouth. Do not induce vomiting. Drink 1 or 2 glasses of water. Get medical advice/attention.

Additional advice: First aider needs to protect himself. See also section 8 Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically. When symptoms persist or in all cases of doubt seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Vapours may cause drowsiness and dizziness. May cause irritation of respiratory tract. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. May cause heritable genetic damage. May cause cancer.

Skin contact: Causes skin irritation.

Eye contact: Contact with eyes may cause irritation.

Ingestion: May be fatal if swallowed. May cause cancer. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3 Indication of any immediate medical attention and special treatment needed

When symptoms persist or in all cases of doubt seek medical advice. In the event of a high pressure injection injury, worker should obtain immediate medical assistance.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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: Highly flammable

Specific hazards: Vapours may form explosive mixtures with air. Evacuate personnel to safe areas. Vapours are heavier than air and may spread along floors. Flash back possible over considerable distance. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Possible decomposition products are: Carbon oxides, Smoke, nitrogen oxides (NOx), Sulphur oxides

5.3 Advice for firefighters

Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus. In the event of fire, cool tanks with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Ensure adequate ventilation. Wear personal protective equipment. See also section 8. Evacuate personnel to safe areas. Avoid contact with skin, eyes and

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clothing. Do not breathe vapours or spray mist. Keep away from open flames, hot surfaces and sources of ignition. Ensure all equipment is electrically grounded before beginning transfer operations.

Advice for emergency responders: Only qualified personnel equipped with suitable protective equipment may intervene. See also section 8.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and 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, sawdust). Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations. Local authorities should be advised if significant spillages cannot be contained.

6.4 Reference to other sections

See also section 8 & 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling: Ensure adequate ventilation. Wear personal protective equipment. See also section 8. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Do not burn, or use a cutting torch on, the empty drum. Ensure all equipment is electrically grounded before beginning transfer operations. Keep away from open flames, hot surfaces and sources of ignition. Always replace cap after use. Do not smoke. Do not puncture or incinerate. Take any precaution to avoid mixing with incompatible materials. Take care to avoid waste and spillage when weighing, loading and mixing the product.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Keep working clothes separately. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Storage of flammable liquids Do not store near or with any of the incompatible materials listed in section 10. Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Ensure all equipment is electrically grounded before beginning transfer operations.

Packaging material: Do not puncture or incinerate.,Do not burn, or use a cutting torch on, the empty drum.,Do not use pressure to empty drums.,Store in original container.

7.3 Specific end use(s)

no data available.

SECTION 8: Exposure controls/personal protection

8.1 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)

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DNEL/DMEL (additional information)

PNEC (additional information)

Recommended monitoring procedures:

Concentration measurement in air. Personal monitoring

8.2 Exposure controls

Personal protective equipment: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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

Hand protection: Nitrile rubber (EN374) 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 with side-shields, Goggles (EN 166)

Skin and body protection: Overalls, apron and boots recommended.

Thermal hazard protection: Use dedicated equipment.

Engineering control measures: Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Ensure that eyewash stations and safety showers are close to the workstation location. Organisational measures to prevent /limit releases, dispersion and exposure

Environmental exposure controls: Do not flush into surface water or sanitary sewer system. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	liquid
Colour:	Yellow or colourless
Odour:	hydrocarbon-like
Odour Threshold:	No data available
Odour Threshold:	No data available
pH:	Not applicable.
Melting point/range:	No data available
Boiling point/boiling range:	22 - 210 °C
Flash point:	-40 °C
Evaporation rate:	10-11 %
Flammability (solid, gas):	not applicable, (liquid)
Explosion limits:	LEL 1,3 vol % UEL 7,6 vol %
Vapour pressure:	60 kPa (@20 °C)
Vapour density:	No data available
Relative density:	0,75 (@15 °C)
Water solubility:	0,001 g/l
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water:	NA (UVCB)

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Autoignition temperature:	450 °C
Decomposition temperature:	No data available
Viscosity:	0,5 - 1,5 mm ² /s (@20 °C)
Explosive properties:	Not applicable
Oxidizing properties:	Not applicable.

9.2 Other information

Other data:	Not applicable.
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SECTION 10: Stability and reactivity

10.1 Reactivity

Extremely flammable liquid and vapour., See also section 10.5

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Vapours may form explosive mixtures with air. See also section 7, Handling and storage .

10.4 Conditions to avoid

Heat, flames and sparks. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. See also section 7, Handling and storage.

10.5 Incompatible materials

Strong oxidizing agents, Reducing agents . See also section 7, Handling and storage.

10.6 Hazardous decomposition products

No decomposition if stored normally. Burning produces noxious and toxic fumes. : Carbon oxides, Sulphur oxides, Nitrogen oxides (NOx) .

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	Not classified (Based on available data, the classification criteria are not met.)
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Not classified (Based on available data, the classification criteria are not met.)
Respiratory/skin sensitisation:	Not classified (Based on available data, the classification criteria are not met.)
Germ cell mutagenicity:	May cause genetic defects.
Carcinogenicity:	May cause cancer.
Reproductive toxicity:	Suspected of damaging fertility. Suspected of damaging the unborn child.
Specific target organ toxicity (single exposure):	May cause drowsiness or dizziness.
Specific target organ toxicity (repeated)	Not classified (Based on available data, the classification

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exposure):	criteria are not met.)
Aspiration hazard:	May be fatal if swallowed and enters airways.
Further information:	Symptoms related to the physical, chemical and toxicological characteristics See section 4.2.

SECTION 12: Ecological information

12.1. Toxicity

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

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products: Handle with care. See also section 7 Handling and storage Do not flush into surface water or sanitary sewer system. Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. Collect and dispose of waste product at an authorised disposal facility.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Additional ecological information: Do not flush into surface water or sanitary sewer system.

List of suggested waste codes/waste designations in accordance with the EWC:: The following Waste Codes are only suggestions: 13 07 03* - other fuels (including mixtures) Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

14.1 UN number

UN-No.: 1203

14.2 UN proper shipping name

Proper Shipping Name: MOTOR SPIRIT / GASOLINE / PETROL

Proper shipping name IATA/IMDG: MOTOR SPIRIT / GASOLINE / PETROL

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14.3 Transport hazard class(es)

14.3.1. Overland transport (ADR/RID)

Class: 3 - Flammable liquid
Hazard identification number (Kemler No.): 33
Classification code: F1
ADR/RID-Labels: 3 - Flammable liquid



14.3.2. Inland waterway transport (ADN)

ADN: Hazards : 3+(N2+F)
Class (UN): 3

14.3.3. Transport by sea (IMDG)

Class: 3 - Flammable liquids

14.3.4. Air transport (IATA)

Class: 3 - Flammable liquids

14.4 Packing group

Packing group: II

14.5 Environmental hazards

Environmental hazards:



Other information: ADN : N2.

14.6 Special precautions for user

No data available.

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

Code: IBC: 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

Restrictions on use: ANNEX XVII: 3, 28, 40.

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC.: Not applicable

Authorisations: Not applicable

15.1.2. National regulations

WGK: 3

German storage class (LGK): LGK 3 - Flammable liquid materials (Flashpoint < 55 °C)

TA-Luft: Organic Substances, Mutagenic, Carcinogenic

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Technische Regeln für Gefahrstoffe (TRGS):	substances applicable
Risk classification according to VbF:	A 1 - Liquids with a flashpoint below 21°C
ABM:	2 - May cause heritable genetic damage. (A)
NeR (Nederlandse emissie Richtlijn):	Organic substances in vapour or gaseous form
Produktforskriften (FOR 2004-06-01 nr 922):	Carcinogen, Mutagen

15.2 Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
86290-81-5 / 64-17-5

SECTION 16: Other information

Issuing date: 16/March/2016

Revision nr: 2

Supersedes: 08/May/2013

Safety datasheet sections which have been updated:

1

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

Aquatic Chronic 2	Hazardous to the aquatic environment - chronic hazard category 2
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 1	Flammable liquids Category 1
Flam. Liq. 2	Flammable liquids Category 2
Muta. 1B	Germ cell mutagenicity, hazard categories 1B
Repr. 2	Reproductive toxicity, Hazard Category 2
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
R11	Highly flammable.
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.
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.
F	Highly flammable
F+	Extremely flammable
N	Dangerous for the environment

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Xi Irritant
Xn Harmful

Sources of key data used to compile the Safety Data Sheet

European Chemicals Bureau: <http://ecb.jrc.it>
CONCAWE C&L guidance (report no. 11/10R);

Further information

Not applicable

Abbreviations and acronyms

CSR = Chemical Safety Report
DNEL = Derived No Effect Level
LD50 = Median lethal dose
N.O.S. = Not Otherwise Specified
PNEC = Predicted No Effect Concentration
STEL = Short term exposure limit
TLV = Threshold limits
TWA = time weighted average
ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods Code
LEL = Lower Explosive Limit/Lower Explosion Limit
UEL = Upper Explosive Limit/Upper Explosion Limit
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
ABM = Algemene beoordelingsmethodiek

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