



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.07.2016

Version number 1

Revision: 18.07.2016

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier:

Trade name: **Euro 95 unleaded**

Product name/Description/Range: Gasoline

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

Product category: PC13 Fuels

Application of the substance / the mixture:

Fuel for spark ignition engines which are intended for the use of unleaded fuel.

Uses advised against:

This product should not be used for applications other than those recommended in Section 1. without first seeking the advice of the supplier.

This product should not be used as a solvent or cleaning agent; for lighting (or brightening fires) of a fire; for cleansing the skin. This product is designed exclusively for applications in the automotive industry and there is no provision made for applications in aviation.

1.3 Details of the supplier of the safety data sheet:

Manufacturer / Importer / Supplier:

Gulf Bunkering BV
Ambachtsweg 31
1735 AJ Den Helder
Tel: +31 (0)223 634 567
info@gulf.nl
www.gulf.nl

Further information obtainable from: Product safety department.

1.4 Emergency telephone number:

NL - National Poison Information Centre (NVIC) tel.: +31 (0) 30 274 8888. (Only available for a practicing doctor in case of accidental poisoning. Only for professional rescuers.)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008:



GHS02 flame

Flam. Liq. 1 H224 Extremely flammable liquid and vapour.



GHS08 health hazard

Muta. 1B H340 May cause genetic defects.
Carc. 1B H350 May cause cancer.
Repr. 2 H361 Suspected of damaging fertility or the unborn child.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms: GHS02, GHS07, GHS08

Signal word: Danger

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Hazard-determining components of labelling:

Gasoline

Hazard statements:

H224 Extremely flammable liquid and vapour.

H315 Causes skin irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P201 Obtain special instructions before use.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Restricted to professional users.

2.3 Other hazards:**Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/Information on Ingredients

3.2 Chemical characterisation: Mixtures:**Description:** Mixture of substances listed below with nonhazardous additions.

Components:		
CAS: 86290-81-5 EINECS: 289-220-8 Index number: 649-378-00-4 Reg.nr.: 01-2119471335-39	Gasoline ⚠ Flam. Liq. 1, H224; ⚠ Muta. 1B, H340; Carc. 1B, H350; Repr. 2, H361; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 637-92-3 EINECS: 211-309-7 Reg.nr.: 01-2119452785-29	propane, 2-ethoxy-2-methyl- ⚠ Flam. Liq. 2, H225; ⚠ Skin Irrit. 2, H315	10-25%
CAS: 1634-04-4 EINECS: 216-653-1 Index number: 603-181-00-X Reg.nr.: 01-2119452786-27	tert-butyl methyl ether ⚠ Flam. Liq. 2, H225; ⚠ Skin Irrit. 2, H315	10-25%
CAS: 994-05-8 EINECS: 213-611-4 Index number: 603-213-00-2 Reg.nr.: 01-2119453236-41	2-methoxy-2-methylbutane ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 4, H302; STOT SE 3, H336	10-25%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	2,5-10%

Additional information: For the wording of the listed hazard phrases See section 16.

SECTION 4: First Aid Measures

4.1 Description of first aid measures:**General information:**

Persons, providing assistance, should avoid exposure and danger for themselves or others.

Take affected persons out of danger area and lay down.

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Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering).

If skin irritation continues, consult a doctor.

After eye contact:

If possible, remove contact lenses, if present and easy to do.

Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.

After ingestion:

Do not induce vomiting; call for medical help immediately.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

4.2 Most important symptoms and effects, both acute and delayed:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

If any of the following delayed signs and symptoms occur within 6 hours, transfer the victim to the nearest doctor or hospital:

Fever

Breathing difficulty

Tightness in the chest

Persistent coughing

4.3 Indication of any immediate medical attention and special treatment needed:

After ingestion of the liquid, droplets of the product may enter the lungs (aspiration), whereby pneumonia can occur.

SECTION 5: Firefighting Measures

5.1 Extinguishing media:**Suitable extinguishing agents:**

CO₂, powder, foam or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture: No further relevant information available.

5.3 Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Cool endangered tanks with water spray.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Keep people at a distance and stay on the windward side.

Wear protective equipment. Keep unprotected persons away.

Avoid breathing vapor and contact with eyes, skin and clothing.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Remove any possible source of ignition (open flames, finches, smoking, non-ATEX equipment).

Ensure adequate ventilation

6.2 Environmental precautions:

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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SECTION 7: Handling and Storage

7.1 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.

Information about fire and explosion protection:

Vapors are heavier than air, can cover long distances along the ground from their source before ignite or explode.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Ensure proper grounding of all parts of the installation.

Use explosion-proof apparatus / fittings and spark-proof tools.

Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities:

Storage must comply with the local regulations.

Store in a cool, dry, well-ventilated place.

Storage:

Requirements to be met by storerooms and tanks:

Store only in the original receptacle.

Suitable materials for packaging:

Stainless steel

Carbon steel

Store in a cool location.

Information about storage in one common storage facility:

Do not store in areas where food, drink and animal foodstuff are taken.

Not required.

Further information about storage conditions:

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

Keep container tightly sealed.

Protect from heat and direct sunlight.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure Controls/Personal Protection

Additional information about design of technical facilities: No further data; see section 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

86290-81-5 Gasoline

TGG	Short-term value: 480 mg/m ³ , 500 ppm Long-term value: 240 mg/m ³ , 300 ppm
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1634-04-4 tert-butyl methyl ether

IOELV	Short-term value: 367 mg/m ³ , 100 ppm Long-term value: 183,5 mg/m ³ , 50 ppm
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Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

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Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

Use protective gloves to DIN EN374-3

Only use chemical-protective gloves with CE-labelling of category III.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Gloves Neo-Nitrile™ 300 – AQL or 0.65 (level 3). Thickness-0.35 mm.

Penetration time of glove material:

Permeation: Breakthrough time > 360 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection: Anti-static clothing

Limitation and supervision of exposure into the environment: Prevent spills from reaching surface waters or soil.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:**General Information:****Appearance:**

Form:	Liquid.
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	25 - 170 °C (Gasoline)

Flash point: -40 °C (Gasoline)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: > 250 °C (Gasoline)

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower:	1,0 Vol %
Upper:	8,4 Vol %

Vapour pressure at 38 °C: 45 - 95 kPa

Density at 15 °C: 0,720 - 0,775 g/cm³

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Relative density: Not determined.
Vapour density: Not determined.
Evaporation rate: Not determined.

Solubility in / Miscibility with:
Water: Insoluble.

Partition coefficient (n-octanol/water): 2 - 7 log POW

Viscosity:
Dynamic: Not determined.
Kinematic at 40 °C: 0,25 - 0,75 mm²/s

Solvent content:

Solids content: Not determined
Oxidizing properties: Not determined

9.2 Other information: Low conductivity: <100 pS / m, by the conductivity of this material, it is considered as a static accumulator. A fluid is generally considered to be non-conductive if its conductivity is below 100 pS / m and is considered to be semi-conductive if its conductivity is below 10,000 pS / m. If a liquid is non-conductive or semi-conductive, the same precautions remain. A number of factors, for example, the temperature of the liquid, the presence of contaminants and anti-static additives can have a great influence on the conductivity of a liquid.

SECTION 10: Stability and Reactivity

10.1 Reactivity:

Can oxidize in presence of air.
Stable under recommended conditions.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid:

Direct sunlight
Heat
Keep away from open flames, hot surfaces and sources of ignition.
In certain circumstances product can be ignited by static electricity

10.5 Incompatible materials: Oxidising Agents

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	3333 mg/kg
Dermal	LD50	6667 mg/kg (rbt)

1634-04-4 tert-butyl methyl ether

Oral	LD50	4000 mg/kg (Rat)
Dermal	LD50	1000 mg/kg (rbt)
Inhalative	LC50/4 h	142 mg/l (Rat)

994-05-8 2-methoxy-2-methylbutane

Oral	LD50	500 mg/kg (ATE)
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64-17-5 ethanol		
Oral	LD50	7060 mg/kg (Rat)
Dermal	LD50	>15800 mg/kg (Rabbit)
Inhalative	LC50/4 h	51 mg/l (Rat)

Primary irritant effect:**Skin corrosion/irritation:**

Causes skin irritation.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.**Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.**CMR effects (carcinogenic, mutagenic and reprotoxic):****Germ cell mutagenicity:**

May cause genetic defects.

Carcinogenicity:

May cause cancer.

Reprotoxicity:

Suspected of damaging fertility or the unborn child.

STOT-single exposure:

May cause drowsiness or dizziness.

STOT-repeated exposure: Based on available data, the classification criteria are not met.**Aspiration hazard:**

May be fatal if swallowed and enters airways.

SECTION 12: Ecological Information

12.1 Toxicity:

The product components are not classified as dangerous for the environment or the quantities are not relevant. Larger or frequent spills can be dangerous or harmful to the environment.

Aquatic toxicity:**86290-81-5 Gasoline**

NOEC / 7d	>1,0 - ≤10 mg/l (Daphnia Magna)
	>1,0 - ≤10 mg/l (Fish)
LC50/72h	>1 ≤10 mg/l (Algae)
LC50/48h	>1 ≤10 mg/l (Daphnia Magna)
LC50/96h	>1 ≤10 mg/l (Fish)
NOEC/ 14d	>10 ≤100 mg/kg (Algae)
	Expected to be hazardous.

12.2 Persistence and degradability: Not easily biodegradable**12.3 Bioaccumulative potential:** May be accumulated in organism**12.4 Mobility in soil:** The product can penetrate into the soil.**Ecotoxical effects:****Remark:** Toxic for fish**Additional ecological information:****General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment:**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects:** No further relevant information available.

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SECTION 13: Disposal Considerations

13.1 Waste treatment methods:

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system. After prior treatment product has to be landfilled adhering to the regulations pertaining to the disposal of particularly hazardous waste.

European waste catalogue: 13 07 02 Gasoline**Contaminated packaging:****Recommendation:**

Disposal must be made according to official regulations. Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning by a licensed recycling company.

SECTION 14: Transport Information

14.1 UN-Number:

ADR,RID,ADN, IMDG, IATA

UN1203

14.2 UN proper shipping name:

ADR/RID/ADN:

1203 GASOLINE, ENVIRONMENTALLY HAZARDOUS

IMDG:

GASOLINE, MARINE POLLUTANT

IATA:

GASOLINE

14.3 Transport hazard class(es):

ADR/RID/ADN:



Class:

3 (F1) Flammable liquids.

Label:

3

IMDG:



Class:

3 Flammable liquids.

Label:

3

IATA:



Class:

3 Flammable liquids.

Label:

3

14.4 Packing group:

ADR,RID,ADN, IMDG, IATA

II

14.5 Environmental hazards:**Marine pollutant:**

Symbol (fish and tree)

Special marking (ADR/RID/ADN):

Symbol (fish and tree)

14.6 Special precautions for user:

Warning: Flammable liquids.

Danger code (Kemler):

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EMS Number:	F-E,S-E
Stowage Category	E
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
Transport/Additional information:	
ADR/RID/ADN:	
Limited quantities (LQ):	1L
Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category:	2
Tunnel restriction code:	D/E
IMDG:	
Limited quantities (LQ):	5L
Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1203 GASOLINE, 3, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory Information

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

Directive 2012/18/EU:**Named dangerous substances - ANNEX I:** None of the ingredients is listed.**Seveso category:**

P5a FLAMMABLE LIQUIDS

E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements: 10 t**Qualifying quantity (tonnes) for the application of upper-tier requirements:** 50 t**REGULATION (EC) No 1907/2006 ANNEX XVII:** Conditions of restriction: 3, 28, 29**National regulations:** Not applicable**Additional classification according to Decree on Hazardous Materials, Annex II:**

Carcinogenic hazardous material group III (dangerous).

Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

SECTION 16: Other Information

Relevant phrases:

H224 Extremely flammable liquid and vapour.

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

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.

H361 Suspected of damaging fertility or the unborn child.

H411 Toxic to aquatic life with long lasting effects.

Training hints: Take care of good information, instruction and training for users.

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Abbreviations and acronyms:

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (Division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

EC50: Effective Concentration, 50 percent

IOELVS: Indicative Occupational Exposure Limit Values

mPa.s: milliPascal per second

Flam. Liq. 1: Flammable liquids – Category 1

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1B: Carcinogenicity – Category 1B

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

References:

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)

See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Revisions were made in sections marked with *.

Disclaimer:

The information provided in this Material Safety Data Sheet has been prepared with the utmost care and corresponds to the most recent information available to the supplier on the date of publication mentioned in the footer of every page. The contents of this Material Safety Data Sheet should not be considered as a guarantee for certain product properties or fitness for particular purposes. It is the obligation of the user to determine whether the product is suitable for the specific purpose, intended use and the method of application. This Safety Data Sheet only relates to the product described and does not apply to any not defined use or the use of the product in combination with other materials, substances or products. It is the responsibility of the user to use and handle the product with care and to comply with all applicable laws and regulations. The supplier accepts no liability for direct or indirect damages resulting from improper use of this Material Safety Data Sheet and / or the products described therein.

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