

Safety Data Sheet

Gasoline

Replaces date: 15/08/2018
 íslensk aðlögun 31/5/2021

Revision date: 02/03/2021
 Version: 1.4.0

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

1.1. Product identifier

Trade name: Gasoline **Bensín**

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

Recommended uses: Manufacture of substances (ERC1). Formulation and (re)packaging of substances and mixtures. **Eldsneyti**

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Equinor ASA (CLP)
 Address: Forusbeen 50
 Zip code: 4035
 City: Stavanger
 Country: NORWAY
 E-mail: chem@equinor.com
 Phone: +47 56 34 40 00

Atlantsolía
Lónsbraut 2
220
Hafnarfjörður
Ísland
atlantsolia@atlandsolia
591-3100

1.4. Emergency Telephone Number

1 1 2

Eitrunarmiðstöð Landspítalans 543 2222)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Flam. Liq. 1;H224 Asp. Tox. 1;H304 Skin Irrit. 2;H315 STOT SE 3;H336 Muta. 1B;H340 Carc. 1B;H350 Repr. 2;H361fd Aquatic Chronic 2;H411

Most serious harmful effects: Extremely flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. Toxic to aquatic life with long lasting effects. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

2.2. Label elements

Pictograms



Signal word:

Danger

Contains

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Substance: Gasoline;

H-phrases

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.

P-phrases

P201 Obtain special instructions before use.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+330+331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P308+313 IF exposed or concerned: Get medical advice/attention.
 P403+233 Store in a well-ventilated place. Keep container tightly closed.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Gasoline	86290-81-5	289-220-8	01-2119471335-39	< 100%		Flam. Liq. 1;H224 Asp. Tox. 1;H304 Skin Irrit. 2;H315 STOT SE 3;H336 Muta. 1B;H340 Carc. 1B;H350 Repr. 2;H361 Aquatic Chronic 2;H411
tert-butyl methyl ether	1634-04-4	216-653-1	01-2119452786-27	0 - 15%		Flam. Liq. 2;H225 Skin Irrit. 2;H315
ethanol	64-17-5	200-578-6	01-2119457610-43	0 - 10%		Flam. Liq. 2;H225

Please see section 16 for the full text of H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice immediately. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs.

Skin contact: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

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Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin - seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
General:	When obtaining medical advice, show the safety data sheet or label.

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

Irritating to skin - may cause reddening. May cause chemical pneumonia if ingested or vomited. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause genetic defects. May cause cancer. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

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

No special immediate treatment required. Treat symptoms.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

5.3. Advice for fire-fighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear safety goggles if there is a risk of eye splash. Wear suitable protective clothing. Wear gloves. In case of insufficient ventilation, wear respiratory protective equipment. Smoking and naked flames prohibited. Stop leak if this can be done without risk.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains. Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Work under effective process ventilation (e.g. local exhaust ventilation). Smoking and naked flames prohibited. Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. A safety shower must be available. A workplace assessment must be conducted to ensure that employees are not exposed to effects that may involve a risk during pregnancy. Do not store, use and/or consume foods, beverages or tobacco products in the work room. Store personal protective equipment separately from other clothing.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a well-ventilated area. Do not expose to heat (e.g. sunlight).

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm ³	Comments	Remarks
tert-butyl methyl ether	8h	50	183.5			
tert-butyl methyl ether	15m	100	367			
ethanol	8h	1.000	1.920			
benzene	8h	0,5	1,6			Carc / Skinn
benzene	15m					Carc /Skinn
toluene	8h	25	94			Sk
toluene	15m	50	188			Sk
n-hexane	8h	20	72			

Carc = Capable of causing cancer and/or heritable genetic damage.

Sk = Can be absorbed through the skin.

Measuring methods:

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis:

Rg. 390/2009, um mengunarmörk. Síðast breytt í nóvember 2020

PNEC

Gasoline, cas-no 86290-81-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	2,6 mg/l	1		
PNEC aqua (marine water)	13,8 mg/l	1		

DNEL - workers

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Gasoline, cas-no 86290-81-5

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (acute/short-term exposure - systemic effects)	1300 mg/m ³ /15m	3	LOAEC		
Inhalation DNEL (acute/short-term exposure - local effects)	1100 mg/m ³ /15m	3	LOAEC		
Inhalation DNEL (long-term exposure - local effects)	840 mg/m ³ /8h	6	NOAEC		

DNEL - general population

Gasoline, cas-no 86290-81-5

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (acute/short-term exposure - systemic effects)	1200 mg/m ³ /15m	5	LOAEC		
Inhalation DNEL (acute/short-term exposure - local effects)	640 mg/m ³ /15m	5	LOAEC		
Inhalation DNEL (long-term exposure - local effects)	180 mg/m ³ /24h	10	NOAEC		

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear suitable protective clothing.

Personal protective equipment, hand protection: Wear gloves. Type of material: Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A/AX. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	N/A
Odour	N/A

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Solubility	N/A
Explosive properties	N/A
Oxidising properties	N/A

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	29 - 210 °C	
Flash Point	-40 °C	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	< 13.5 psi	Without ethanol: <93 kPa
Vapour density	No data	
Relative density	715 - 775	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Vapour pressure (50 °C)	116 kPa	

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Gasoline, cas-no 86290-81-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000mg/kg		OECD 401	

Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.

Acute toxicity - dermal

Gasoline, cas-no 86290-81-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000mg/kg		OECD 402	

The product does not have to be classified. Test data are not available.

Acute toxicity - inhalation

Gasoline, cas-no 86290-81-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (vapour)		> 5610mg/m3		OECD 403	

The product does not have to be classified. Test data are not available.

Skin corrosion/irritation

Gasoline, cas-no 86290-81-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Irritating	OECD 404	

Irritating to skin - may cause reddening.

Serious eye damage/eye irritation

Gasoline, cas-no 86290-81-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	Iritis	72 h	0		OECD 405	

May cause eye irritation. The product does not have to be classified. Test data are not available.

Respiratory sensitisation or skin sensitisation

Gasoline, cas-no 86290-81-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Non-sensitising	OECD 406	

The product does not have to be classified. Test data are not available.

Germ cell mutagenicity: May cause genetic defects.

Carcinogenic properties

Gasoline, cas-no 86290-81-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
				Neoplastic effects observed.		

May cause cancer.

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Reproductive toxicity: Suspected of damaging fertility. Suspected of damaging the unborn child.

Single STOT exposure: The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

Repeated STOT exposure

Gasoline, cas-no 86290-81-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	NOAEL (Dermal)		3750 mg/kg bw/day		OECD 410	

Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system. The product does not have to be classified. Test data are not available.

Aspiration hazard: May cause chemical pneumonia if ingested or vomited.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Gasoline, cas-no 86290-81-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas	96 h	96hLL50	8.2 mg/l			
Crustacea	Daphnia magna	48 h	48hEL50	4.5 mg/l			
Algae	Selenastrum capricornutum	72 h	72hEC50	3.1 mg/l			
Fish	Pimephales promelas	14 d	14dNOEL	2.6 mg/l			
Crustacea	Daphnia magna	21 d	21dNOEC	2.6 mg/l			

tert-butyl methyl ether, cas-no 1634-04-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia sp.	48 h	48hEC50	100 - 1000mg/l			
Algae	Name of species not specified	72 h	72hEC50	2300 mg/l			

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Gasoline, cas-no 86290-81-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Readily biodegradable.		

tert-butyl methyl ether, cas-no 1634-04-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

Test data are not available.

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12.3. Bioaccumulative potential

tert-butyl methyl ether, cas-no 1634-04-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	2.9			

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Collect concentrated spills and major waste in closed, leak-proof containers for disposal at the applicable hazardous waste site with the below specifications. Avoid release to the environment.

Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Absorbent/cloth contaminated with the product: EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

EWC code: Depends on line of business and use, for instance 13 07 02* petrol

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN-No.:	1203	14.4. Packing group:	II
14.2. UN proper shipping name:	GASOLINE (Gasoline)	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Hazard identification number:	33	Tunnel restriction code:	D/E
Other Information:	-		

Inland water ways transport (ADN)

14.1. UN-No.:	1203	14.4. Packing group:	II
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14.2. UN proper shipping name:	GASOLINE (Gasoline)	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Transport in tank vessels:	N2+CMR+F	Other Information:	Vapour pressure (50 °C): 116 kPa

Sea transport (IMDG)

14.1. UN-No.:	1203	14.4. Packing group:	II
14.2. UN proper shipping name:	GASOLINE (Gasoline)	14.5. Environmental hazards:	The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	3	Environmental Hazardous Substance Name(s):	
Hazard label(s):	3	IMDG Code segregation group:	- None -
EmS:	F-E, S-E		
Other Information:	-		

Air transport (ICAO-TI / IATA-DGR)

14.1. UN-No.:	1203	14.4. Packing group:	II
14.2. UN proper shipping name:	GASOLINE (Gasoline)	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	3		
Hazard label(s):	3	Other Information:	-

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not included.

SECTION 15: Regulatory information

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

Special Provisions:	<p>Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.</p> <p>Directive 2012/18/EU (Seveso), E2 Hazardous to the Aquatic Environment in Category Chronic 2 : Column 2: 200 t, Column 3: 500 t.</p> <p>Directive 2012/18/EU (Seveso), P5a FLAMMABLE LIQUIDS: Column 2: 10 t, Column 3: 50 t.</p> <p>Covered by: Council Directive 92/85/EEC of 19 October 1992 on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding</p>
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Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.4.0	02/03/2021	CGJ / Bureau Veritas HSE Denmark AS	1, 9, 16

Abbreviations:
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: Very Persistent and Very Bioaccumulative
 STOT: Specific Target Organ Toxicity
 PNEC: Predicted No Effect Concentration
 DNEL: Derived No Effect Level

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

List of relevant H-statements

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.
 H336 May cause drowsiness or dizziness.
 H340 May cause genetic defects.
 H350 May cause cancer.
 H361 Suspected of damaging fertility or the unborn child.
 H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
 H411 Toxic to aquatic life with long lasting effects.

SDS is prepared by

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