



**SAFETY DATA SHEET**

**Gasol**

Issue Date: 04.12.2019  
Last revised date: 18.01.2021

Version: 2.0

SDS No.: 000010053937  
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Product name: Gasol

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

Identified uses: Industrial and professional. Perform risk assessment prior to use.  
Fuel gas  
Consumer use.  
Fuel gas

Uses advised against: Uses other than those listed above are not supported. Contact supplier for more information on uses.

**1.3 Details of the supplier of the safety data sheet**

**Supplier**

Linde Gas AB  
Rättarvägen 3  
169 68 Solna

Telephone: +46 8 7069500

E-mail: sds.ren@linde.com

1.4 Emergency telephone number: Poison center: 020-99 60 00 (24 h). Emergency number: 112

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

**Physical Hazards**

Flammable gas	Category 1A	H220: Extremely flammable gas.
Gases under pressure	Liquefied gas	H280: Contains gas under pressure; may explode if heated.

**2.2 Label Elements**



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**Signal Word:** Danger

**Hazard Statement(s):** H220: Extremely flammable gas.  
 H280: Contains gas under pressure; may explode if heated.

**Precautionary Statements**

**General** None.

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

**Response:** P377: Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
 P381: In case of leakage, eliminate all ignition sources.

**Storage:** P403: Store in a well-ventilated place.

**Disposal** None.

**2.3 Other hazards** Contact with evaporating liquid may cause frostbite or freezing of skin.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes
Ethanethiol	C2H6S	15PPM	75-08-1	01-2119491286-30	-	
Propane	C3H8	≥95%	74-98-6	01-2119486944-21	-	
Butane	C4H10	≤5%	106-97-8	01-2119474691-32	-	

The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.

# # This substance has workplace exposure limit(s).  
 PBT: persistent, bioaccumulative and toxic substance.



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vPvB: very persistent and very bioaccumulative substance.

**Classification**

Chemical name	Classification		Notes
Ethaneethiol	CLP:	Acute Tox. 4;H332, Aquatic Chronic 1;H410, Flam. Liq. 1;H224, Acute Tox. 4;H302, Skin Sens. 1B;H317, Aquatic Acute 1;H400	
Propane	CLP:	, Press. Gas Liquef. Gas;H280, Flam. Gas 1;H220	
Butane	CLP:	, Flam. Gas 1;H220, Press. Gas Liquef. Gas;H280	

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

**SECTION 4: First aid measures**

**General:** In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped.

**4.1 Description of first aid measures**

**Inhalation:** In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped.

**Eye contact:** Rinse the eye with water immediately. Remove contact lenses, if present and easy to do. Continue rinsing. Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance. If medical assistance is not immediately available, flush an additional 15 minutes.

**Skin Contact:** Contact with evaporating liquid may cause frostbite or freezing of skin. In case of frostbite spray with water for at least 15 minutes. Apply a sterile dressing. Get medical attention.

**Ingestion:** Ingestion is not considered a potential route of exposure.

**4.2 Most important symptoms and effects, both acute and delayed:** Respiratory arrest. Contact with liquefied gas can cause damage (frostbite) due to rapid evaporative cooling.



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

**Hazards:** Respiratory arrest. Contact with liquefied gas can cause damage (frostbite) due to rapid evaporative cooling.

**Treatment:** Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention.

**SECTION 5: Firefighting measures**

**General Fire Hazards:** Heat may cause the containers to explode.

**5.1 Extinguishing media**

**Suitable extinguishing media:** Water Spray or Fog. Dry powder. Foam.

**Unsuitable extinguishing media:** Carbon Dioxide.

**5.2 Special hazards arising from the substance or mixture:** No data available.

**5.3 Advice for firefighters**

**Special fire fighting procedures:** In case of fire: Stop leak if safe to do so. Do not extinguish flames at leak because possibility of uncontrolled explosive reignition exists. Continue water spray from protected position until container stays cool. Use extinguishants to contain the fire. Isolate the source of the fire or let it burn out.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Guideline: EN 469 Protective clothing for firefighters. Performance requirements for protective clothing for firefighting. EN 15090 Footwear for firefighters. EN 659 Protective gloves for firefighters. EN 443 Helmets for fire fighting in buildings and other structures. EN 137 Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus with full face mask - Requirements, testing, marking.



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**SECTION 6: Accidental release measures**

- |   |  |
|---|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures:</b> | Evacuate area. Provide adequate ventilation. Consider the risk of potentially explosive atmospheres . In case of leakage, eliminate all ignition sources. Monitor the concentration of the released product. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. EN 137 Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus with full face mask - Requirements, testing, marking. |
| <b>6.2 Environmental Precautions:</b>   | Prevent further leakage or spillage if safe to do so.  |
| <b>6.3 Methods and material for containment and cleaning up:</b>                | Provide adequate ventilation. Eliminate sources of ignition.   |
| <b>6.4 Reference to other sections:</b>   | Refer to sections 8 and 13.  |



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**SECTION 7: Handling and storage:****7.1 Precautions for safe handling:**

Only experienced and properly instructed persons should handle gases under pressure. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Purge system with dry inert gas (e.g. helium or nitrogen) before gas is introduced and when system is placed out of service. Purge air from system before introducing gas. Containers, which contain or have contained flammable or explosive substances, must not be inerted with liquid carbon dioxide. Assess the risk of a potentially explosive atmosphere and the need for suitable equipment i.e. explosion-proof. Take precautionary measures against static discharges. Keep away from ignition sources (including static discharges). Provide electrical earthing of equipment and electrical equipment usable in explosive atmospheres. Use non-sparking tools. Refer to supplier's handling instructions. The substance must be handled in accordance with good industrial hygiene and safety procedures. Ensure the complete system has been (or is regularly) checked for leaks before use. Protect containers from physical damage; do not drag, roll, slide or drop. Do not remove or deface labels provided by the supplier for the identification of the container contents. When moving containers, even for short distances, use appropriate equipment eg. trolley, hand truck, fork truck etc. Secure cylinders in an upright position at all times, close all valves when not in use. Provide adequate ventilation. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Avoid suckback of water, acid and alkalis. Keep container below 50°C in a well ventilated place. Observe all regulations and local requirements regarding storage of containers. When using do not eat, drink or smoke. Store in accordance with local/regional/national/international regulations. Never use direct flame or electrical heating devices to raise the pressure of a container. Leave valve protection caps in place until the container has been secured against either a wall or bench or placed in a container stand and is ready for use. Damaged valves should be reported immediately to the supplier. Close container valve after each use and when empty, even if still connected to equipment. Never attempt to repair or modify container valves or safety relief devices. Replace valve outlet caps or plugs and container caps where supplied as soon as container is disconnected from equipment. Keep container valve outlets clean and free from contaminants particularly oil and water. If user experiences any difficulty operating container valve discontinue use and contact supplier. Never attempt to transfer gases from one container to another. Container valve guards or caps should be in place.



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**7.2 Conditions for safe storage, including any incompatibilities:** All electrical equipment in the storage areas should be compatible with the risk of a potentially explosive atmosphere. Segregate from oxidant gases and other oxidants being stored. Containers should not be stored in conditions likely to encourage corrosion. Stored containers should be periodically checked for general conditions and leakage. Container valve guards or caps should be in place. Store containers in location free from fire risk and away from sources of heat and ignition. Keep away from combustible material.

**7.3 Specific end use(s):** None.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**DNEL-Values**

Critical component	Type	Value	Remarks
Ethanethiol	Workers - Inhalation, Systemic, long-term	11 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers - Dermal, Systemic, long-term	1,6 mg/kg bw/day	Repeated dose toxicity

**PNEC-Values**

Critical component	Type	Value	Remarks
Ethanethiol	Aquatic (marine water)	0 mg/l	-
Ethanethiol	Soil	0 mg/kg	-
Ethanethiol	Sewage treatment plant	8,81 mg/l	-
Ethanethiol	Sediment (marine water)	0 mg/kg	-
Ethanethiol	Aquatic (freshwater)	0 mg/l	-
Ethanethiol	Sediment (freshwater)	0 mg/kg	-



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**8.2 Exposure controls**

**Appropriate engineering controls:**

Consider a work permit system e.g. for maintenance activities. Ensure adequate air ventilation. Provide adequate general and local exhaust ventilation. Keep concentrations well below lower explosion limits. Gas detectors should be used when quantities of flammable gases or vapours may be released. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Systems under pressure should be regularly checked for leakages. Product to be handled in a closed system. Only use permanent leak tight installations (e.g. welded pipes). Take precautionary measures against static discharges.

**Individual protection measures, such as personal protective equipment**

**General information:**

A risk assessment should be conducted and documented in each work area to assess the risks related to the use of the product and to select the PPE that matches the relevant risk. The following recommendations should be considered. Keep self contained breathing apparatus readily available for emergency use. Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment. Do not eat, drink or smoke when using the product.

**Eye/face protection:**

Safety eyewear, goggles or face-shield to EN166 should be used to avoid exposure to liquid splashes. Wear eye protection to EN 166 when using gases. Guideline: EN 166 Personal Eye Protection.

**Skin protection**

**Hand Protection:**

Guideline: EN 388 Protective gloves against mechanical risks.  
 Additional Information: Wear working gloves while handling containers  
 Guideline: EN 511 Protective gloves against cold.  
 Additional Information: Protective gloves should be used if there is a risk of direct contact or splash.

**Body protection:**

Wear fire resistant or flame retardant clothing.  
 Guideline: EN 943 Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid particles.

**Other:**

Wear safety shoes while handling containers  
 Guideline: ISO 20345 Personal protective equipment - Safety footwear.





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**Respiratory Protection:** Wear air supplied respiratory protection. When allowed by a risk assessment Respiratory Protective Equipment (RPE) may be used The selection of the Respiratory Protective Device (RPD) must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected RPD. Use respiratory equipment with gas filter, type AX.  
Guideline: EN 137 Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus with full face mask - Requirements, testing, marking.  
Guideline: EN 136 Respiratory protective devices. Full face masks. Requirements, testing, marking.

**Thermal hazards:** No precautionary measures are necessary.

**Hygiene measures:** Specific risk management measures are not required beyond good industrial hygiene and safety procedures. Do not eat, drink or smoke when using the product.

**Environmental exposure controls:** For waste disposal, see section 13 of the SDS.

**SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Gas

Form: Liquefied gas

Color: C2H6S: Colorless  
C3H8: Colorless  
C4H10: Colorless

Odor: C2H6S: Penetrating garlic-like odor  
C3H8: Odorless  
C4H10: Very slight odor

Odor Threshold: Odor threshold is subjective and is inadequate to warn of over exposure.

pH: Not applicable.

Melting Point: -187,6 °C

Boiling Point: -42,1 °C

Sublimation Point: Not applicable.

Critical Temp. (°C): 96,7 °C

Flash Point: -104 °C

Evaporation Rate: Not applicable to gases and gas mixtures.



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Flammability (solid, gas):	Flammable Gas
Flammability Limit - Upper (%):	9,5 %(V) By volume in air
Flammability Limit - Lower (%):	2,2 %(V) By volume in air
Vapor pressure:	13 bar (40 °C)
Vapor density (air=1):	1,56 (calculated) (0 °C) AIR=1
Relative density:	0,5853 (-45 °C)
Solubility(ies)	
Solubility in Water:	75 mg/l
Partition coefficient (n-octanol/water):	1,815
Autoignition Temperature:	450 °C Experimental result, Key study
Decomposition Temperature:	650 °C Decomp to ethylene and ethane.
Viscosity	
Kinematic viscosity:	No data available.
Dynamic viscosity:	0,08 mPa.s (17,9 °C)
Explosive properties:	Not applicable.
Oxidizing properties:	Not applicable.

9.2 Other information: Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

**SECTION 10: Stability and reactivity**

10.1 Reactivity:	No reactivity hazard other than the effects described in sub-section below.
10.2 Chemical Stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	Can form a potentially explosive atmosphere in air. May react violently with oxidants.
10.4 Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5 Incompatible Materials:	Air and oxidizers. For material compatibility see latest version of ISO-11114.
10.6 Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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**SECTION 11: Toxicological information**

**General information:** None.

**11.1 Information on toxicological effects**

**Acute toxicity - Oral Product** Based on available data, the classification criteria are not met.

**Component Information**  
 Ethanethiol LD 50 (Rat): 682 mg/kg Remarks: Experimental result, Key study

**Acute toxicity - Dermal Product** Based on available data, the classification criteria are not met.

**Component Information**  
 Ethanethiol LD 50 (Rat): > 2.000 mg/kg Remarks: Experimental result, Key study

**Acute toxicity - Inhalation Product** ATEmix (4 h): > 20000 ppm Based on available data, the classification criteria are not met.

**Component Information**  
 Ethanethiol LC 50 (Rat, 4 h): 11,23 mg/l Remarks: Vapor Experimental result, Supporting study  
 LC 50 (Rat, 1,0 h): 8840 ppm

Butane LC 50 (Rat, 10 min): > 800000 ppm Remarks: Inhalation Experimental result, Key study

**Repeated dose toxicity**  
**Component Information**  
 Ethanethiol LOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 403,4 ppm(m) Inhalation Read-across from supporting substance (structural analogue or surrogate), Key study  
 NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 99,6 ppm(m) Inhalation Read-across from supporting substance (structural analogue or surrogate), Key study  
 NOAEL (Rat(Female), Oral, 42 - 53 d): 50 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Key study



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Propane	LOAEL (Rat(Female, Male), Inhalation): 21.641 mg/m <sup>3</sup> Inhalation Experimental result, Key study
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Butane	NOAEL (Rat(Female, Male), Inhalation, >= 42 d): 16.000 ppm(m) Inhalation Experimental result, Key study
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**Skin Corrosion/Irritation**

**Product** Based on available data, the classification criteria are not met.

**Component Information**

Ethanethiol in vivo (Rabbit): Not irritant Experimental result, Key study

**Serious Eye Damage/Eye Irritation**

**Product** Based on available data, the classification criteria are not met.

**Component Information**

Ethanethiol in vivo (Rabbit, 24 - 72 hrs): Not irritating GHS Regulation EC No 1272/2008

**Respiratory or Skin Sensitization**

**Product** Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity**

**Product** Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product** Based on available data, the classification criteria are not met.

**Reproductive toxicity**

**Product** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure**

**Product** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product** Based on available data, the classification criteria are not met.

**Aspiration Hazard**

**Product** Not applicable to gases and gas mixtures..



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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Product** No ecological damage caused by this product.

**Acute toxicity - Fish**

**Component Information**

Ethaneethiol	LC 50 (Oncorhynchus mykiss, 96 h): 2,4 mg/l Remarks: Experimental result, Key study NOAEL (Oncorhynchus mykiss, 96 h): < 1,7 mg/l Remarks: Experimental result, Key study
Propane	LC 50 (Various, 96 h): 49,9 mg/l (QSAR) Remarks: QSAR QSAR, Key study
Butane	LC 50 (Various, 96 h): 24,11 mg/l (QSAR) Remarks: QSAR QSAR, Key study

**Acute toxicity - Aquatic Invertebrates**

**Component Information**

Ethaneethiol	EC 50 (Daphnia magna, 24 h): 0,38 mg/l (Static) Remarks: Experimental result, Key study
Propane	LC 50 (Daphnia sp., 48 h): 69,43 mg/l Remarks: QSAR QSAR, Key study
Butane	LC 50 (Daphnid, 48 h): 14,22 mg/l (QSAR) Remarks: QSAR QSAR, Key study

**Toxicity to microorganisms**

**Component Information**

**Toxicity to Aquatic Plants**

**Component Information**

Butane	LC50 (Alga, 72 h): 7,7 mg/l
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**12.2 Persistence and Degradability**

**Product** Not applicable to gases and gas mixtures..



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**Biodegradation**

**Component Information**

Propane	100 % (385,5 h) Detected in water. Experimental result, Key study
Butane	50 % (3 d) Detected in water. QSAR, Weight of Evidence study

**12.3 Bioaccumulative potential**

**Product**

The subject product is expected to biodegrade and is not expected to persist for long periods in an aquatic environment.

**12.4 Mobility in soil**

**Product**

Because of its high volatility, the product is unlikely to cause ground or water pollution.

**12.5 Results of PBT and vPvB assessment**

**Product**

Not classified as PBT or vPvB.

**12.6 Other adverse effects:**

**Global Warming Potential**

Global warming potential: 3,1  
 Contains greenhouse gas(es). When discharged in large quantities may contribute to the greenhouse effect.

**Component Information**

Propane	<u>EU. Non-Fluorinated Substance GWPs (Annex IV), Regulation 517/2014/EU on fluorinated greenhouse gases</u> - Global warming potential: 3
Butane	<u>EU. Non-Fluorinated Substance GWPs (Annex IV), Regulation 517/2014/EU on fluorinated greenhouse gases</u> - Global warming potential: 4



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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**General information:** Do not discharge into any place where its accumulation could be dangerous. Consult supplier for specific recommendations. Do not discharge into areas where there is a risk of forming an explosive mixture with air. Waste gas should be flared through a suitable burner with flash back arrestor.

**Disposal methods:** Refer to the EIGA code of practice (Doc.30 "Disposal of Gases", downloadable at <http://www.eiga.org>) for more guidance on suitable disposal methods. Dispose of container via supplier only. Discharge, treatment, or disposal may be subject to national, state, or local laws.

European Waste Codes

**Container:** 16 05 04\*: Gases in pressure containers (including halons) containing dangerous substances.

**SECTION 14: Transport information**

**ADR**

14.1 UN Number:	UN 1965
14.2 UN Proper Shipping Name:	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.(Propane, Butane-N)
14.3 Transport Hazard Class(es)	
Class:	2
Label(s):	2.1
Hazard No. (ADR):	23
Tunnel restriction code:	(B/D)
14.4 Packing Group:	-
14.5 Environmental hazards:	Not applicable
14.6 Special precautions for user:	-



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**RID**

14.1 UN Number: UN 1965  
 14.2 UN Proper Shipping Name: HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.(Propane, Butane-N)  
 14.3 Transport Hazard Class(es):  
     Class: 2  
     Label(s): 2.1  
 14.4 Packing Group: -  
 14.5 Environmental hazards: Not applicable  
 14.6 Special precautions for user: -

**IMDG**

14.1 UN Number: UN 1965  
 14.2 UN Proper Shipping Name: HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.(Propane, Butane)  
 14.3 Transport Hazard Class(es):  
     Class: 2.1  
     Label(s): 2.1  
     EmS No.: F-D, S-U  
 14.4 Packing Group: -  
 14.5 Environmental hazards: Not applicable  
 14.6 Special precautions for user: -

**IATA**

14.1 UN Number: UN 1965  
 14.2 Proper Shipping Name: Hydrocarbon gas mixture, liquefied, n.o.s.(Propane, Butane)  
 14.3 Transport Hazard Class(es):  
     Class: 2.1  
     Label(s): 2.1  
 14.4 Packing Group: -  
 14.5 Environmental hazards: Not applicable  
 14.6 Special precautions for user: -  
 Other information  
     Passenger and cargo aircraft: Forbidden.  
     Cargo aircraft only: Allowed.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable





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**Additional identification:** Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers ensure that they are firmly secured. Ensure that the container valve is closed and not leaking. Container valve guards or caps should be in place. Ensure adequate air ventilation.

**SECTION 15: Regulatory information**

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

**EU Regulations**

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Concentration
Propane	74-98-6	90 - 100%
Butane	106-97-8	1,0 - 10%

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, as amended.:

Classification	Lower-tier Requirements	Upper-tier Requirements
P2. Flammable gas	10 t	50 t

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
Butane	106-97-8	1,0 - 10%
Ethanethiol	75-08-1	0 - <0,1%

**National Regulations**

Council Directive 89/391/EEC on the introduction of measures to encourage improvements in the safety and health of workers at work Directive 89/686/EEC on personal protective equipment Directive 2014/34/EU on equipment and protective systems intended for use in potentially explosive atmospheres (ATEX) Only products that comply with the food regulations (EC) No. 1333/2008 and (EU) No. 231/2012 and are labelled as such may be used as food additives.



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This Safety Data Sheet has been produced to comply with Regulation (EU) 2015/830.

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

Revision Information: Not relevant.

Key literature references and sources for data: Various sources of data have been used in the compilation of this SDS, they include but are not exclusive to:  
 Agency for Toxic Substances and Diseases Registry (ATSDR) (<http://www.atsdr.cdc.gov/>).  
 European Chemical Agency: Guidance on the Compilation of Safety Data Sheets.  
 European Chemical Agency: Information on Registered Substances <http://apps.echa.europa.eu/registered/registered-sub.aspx#search>  
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 Substance specific information from suppliers.  
 Details given in this document are believed to be correct at the time of publication.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
Flammable gas, Category 1A	On basis of test data
Gases under pressure, Liquefied gas	On basis of test data



**SAFETY DATA SHEET**

**Gasol**

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**Wording of the H-statements in section 2 and 3**

H220	Extremely flammable gas.
H224	Extremely flammable liquid and vapor.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Training information:** Users of breathing apparatus must be trained. Ensure operators understand the flammability hazard.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Flam. Gas 1A, H220  
 Press. Gas Liq. Gas, H280

**Other information:** Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out. Ensure adequate air ventilation. Ensure all national/local regulations are observed. Ensure equipment is adequately earthed. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

**Last revised date:** 18.01.2021

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.