Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

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

1.1 Product identifier

Trade name: Camper / OLYMPUS mountain series Camper Chemical
Identification: Commercial Propane & Butane Mixture
UFI: GJ6Q-F0V4-J002-YXFW

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

No further relevant information available.
Application of the substance / the mixture: Fuel

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
CAMPER
PORTSI (MANDRA NTOUNI)
KOROPI, GREECE

1.4 Emergency telephone number:

European Emergency Tel.: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:

GHS02 flame

Flam. Gas 1 H220 Extremely flammable gas.

Press. Gas (Comp.) H280 Contains gas under pressure; may explode if heated.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:
The product is classified and labelled according to the CLP regulation.
Hazard pictograms:

GHS02

Signal word: Danger

Hazard statements:
H220 Extremely flammable gas.

(Contd. on page 2)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 1)

H280 Contains gas under pressure; may explode if heated.

Precautionary statements
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381 In case of leakage, eliminate all ignition sources.
P410+P403 Protect from direct sunlight. Store in a well-ventilated place.

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: consisting of the following components.

Ingredients according Regulation (EU) 830/2015:		
CAS: 68512-91-4 EINECS: 270-990-9 Index number: 649-083-00-0 Reg.nr.: 01-2119485926-20-XXXX	Hydrocarbons, C3-4-rich, petroleum distillate (Note K) Flam. Gas 1, H220; Press. Gas (Comp.), H280	>99%
CAS: 75-08-1 EINECS: 200-837-3 Index number: 016-022-00-9 Reg.nr.: 01-2119491286-30-XXXX	ethanethiol Flam. Liq. 1, H224; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1B, H317	<0.1%

Additional information:
Note K / CLP: It is not necessary to classify the substance (CAS: 68512-91-4) as carcinogenic or mutagenic because the substance contains less than 0,1% w/w 1,3-butadiene (No.EINECS 203-450-8).

SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
Take affected persons out into the fresh air.
Seek immediate medical advice.
After inhalation:
If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet. Notify physician.
In case of unconsciousness place patient stably in side position for transportation.
Seek medical treatment in case of complaints.
After skin contact:
Remove contaminated clothing.
Wash the skin immediately with soap and water.
If skin irritation continues, consult a doctor.
After eye contact:
Flush thoroughly with water for at least 15 minutes lifting lower and upper eyelids occasionally.
Remove contact lenses and continue rinsing for several minutes

(Contd. on page 3)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 2)

If symptoms persist, consult a doctor.
Avoid strong water jet-risk of cornea damage, consult a doctor.
After swallowing:
Drink plenty of water and provide fresh air. Call for a doctor immediately.
Seek immediate medical advice.
Never give anything by mouth to an unconscious person.
4.2 Most important symptoms and effects, both acute and delayed
Risk of asphyxiation due to foaming. Contact with liquid form may cause frostbite
4.3 Indication of any immediate medical attention and special treatment needed
There is no specific antidote.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray.
Foam
Sand or earth
For safety reasons unsuitable extinguishing agents: Jet of water
5.2 Special hazards arising from the substance or mixture
Carbon monoxide (CO)
Carbon dioxide (CO2)
Vapors are heavier than air. Spread on the surface of the ground and it is possible to ignite remotely.
5.3 Advice for firefighters
Protective equipment:
Self contained breathing apparatus and full protective clothing must be worn in case of fire.
Wear protective goggles.
Cool containers exposed to fire.
Additional information
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
Ensure adequate ventilation.
Avoid contact with skin and eyes.
Avoid inhalation of vapors.
6.1.1 For non-emergency personnel Avoid contact with dripping or leaking material
6.1.2 For emergency responders
First-aid responders must wear protectice clothing, gloves, goggles and respiratory device with filter type A.
6.2 Environmental precautions: 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 item 13.
Ensure adequate ventilation.
Send for recovery or disposal in suitable receptacles.
6.4 Reference to other sections:
See Section 7 for information on safe handling.

(Contd. on page 4)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 3)

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Open and handle receptacle with care.
Handle with care. Avoid jolting, friction and impact.
Avoid contact with eyes, hands and clothing.
Wash your hands and face after using the product.
Do not eat or drink during the use of the product.
Information about fire - and explosion protection:


Keep ignition sources away - Do not smoke.

Do not spray onto a naked flame or any incandescent material.
Flammable gas-air mixtures may form in empty receptacles.
The vapors are heavier than air and may spread along floors. Vapors can form explosive mixtures with air.
Keep away from heat, sparks, open flames and hot surfaces.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
7.2 Conditions for safe storage, including any incompatibilities
Storage:
Keep containers tightly closed in a cool, well-ventilated place.
Open containers should be carefully closed and stored upright to prevent any leakage.
Requirements to be met by storerooms and receptacles: Provide good ventilation.
Information about storage in one common storage facility:
Keep away from food, beverages & animal feed.
Keep away from heat and direct sunlight.
Further information about storage conditions: Keep container tightly sealed.
Maximum storage temperature: 30°C
Minimum storage temperature: 5°C
7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
CAS: 75-08-1 ethanethiol	
WEL (Great Britain)	Short-term value: 5.2 mg/m³, 2 ppm Long-term value: 1.3 mg/m³, 0.5 ppm

DNELs
Hydrocarbons, C3-4-rich, petroleum distillate (CAS: 68512-91-4).
workers:
Long-term systemic effect - Dermal: 23.4 mg/kg
Long-term systemic effect - Inhalation: 2.21 mg/m³

Consumers:

(Contd. on page 5)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 4)

Long-term systemic effect - Inhalation: 0.0664 mg/m³
Ethanethiol (CAS: 75-08-1).
Workers:
Long-term systemic effect - Inhalation: 11 mg/ml
Long-term systemic effect - Dermal: 1.6 mg/kg bw/d

Consumers:
Long-term systemic effect - Inhalation: 1.96 mg/m³
Long-term systemic effect - Oral: 800 mg/kg bw/d
PNECs
Ethanethiol (CAS: 75-08-1).
Freshwater: 100 mg/l
Intermittent releases (freshwater): 1 mg/l
Marine water: 10 mg/l
Sewage treatment plant (STP): 8.81 mg/l
Sediment (freshwater): 490 mg/kg sediment dw
Sediment (marine water): 49 mg/kg sediment dw
Soil: 40.9 mg/kg soil dw

8.2 Exposure controls

8.2.1. Appropriate engineering controls
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower

Personal protective equipment
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Do not eat, drink or smoke while using the product.
Avoid contact with the eyes and skin.
Take appropriate protective measures with regard to the handling of chemicals and mixtures.
Wash hands before breaks and at the end of work.
Do not breathe vapours or mists.
Respiratory protection:

Self-contained breathing apparatus standards:
EN 137
EN 138
EN 141
Protection of hands:

Protective gloves resistant to chemicals (standard EN 374-1)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
PVC (polyvinyl chloride)
NBR (Nitrile rubber)

(Contd. on page 6)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 5)

Permeation time ≥ 480 min
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. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information

Appearance:	
Form:	Gas
Colour:	Colourless
Odour:	Unpleasant
Odour threshold:	Not determined
pH value:	Not determined
Melting point/freezing point:	-187.6--138.3 °C
Initial boiling point and boiling range:	-161.4--0.5 °C
Flash point:	-104--60 °C
Flammability (solid, gas):	Not determined.
Auto-ignition temperature:	287-537 °C
Decomposition temperature:	Not determined
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1.8 Vol %
Upper:	15 Vol %
Oxidising properties	Not oxidising

(Contd. on page 7)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 6)

Vapour pressure at 40 °C:	530-1.550 kPa
Density at 20 °C:	0.4228-0.589 g/cm³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility in / Miscibility with water at 20 °C:	24.4 - 60.4 g/l
Partition coefficient: n-octanol/water:	1.09 – 2.8 log POW
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under normal conditions
10.2 Chemical stability Material is stable under normal conditions.
Thermal decomposition / conditions to be avoided
To avoid thermal decomposition do not overheat.
Stable at environment temperature.
10.3 Possibility of hazardous reactions No dangerous reactions known.
10.4 Conditions to avoid
Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
10.5 Incompatible materials
Oxidizing agents
Halogens
10.6 Hazardous decomposition products
Carbon monoxide
Carbon dioxide

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:

CAS: 75-08-1 ethanethiol

Oral	LD50	682 mg/kg (rat)
Inhalative	LC50/4 h (vapour)	4,420 mg/l (rat)

Specific symptoms in biological assay:
Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/irritation Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
Additional toxicological information:
Repeated dose toxicity Based on available data, the classification criteria are not met.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.

(Contd. on page 8)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 7)

Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	
CAS: 75-08-1 ethanethiol	
EC50 (72h)	3 mg/l (algae)
EC50 (48h)	100 mg/l (Invertebrate)
LC50 (96h)	2.4 mg/l (fis)

12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
Additional ecological information:
General notes: Do not allow product to reach ground water, water course or sewage system.
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation

Dispose according to National Regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.
Waste disposal key:
16 05 04* gases in pressure containers (including halons) containing dangerous substances
15 01 10* packaging containing or contaminated by residues of dangerous substances.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

(Contd. on page 9)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 8)

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA UN2037

14.2 UN proper shipping name
ADR 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)
IMDG, IATA RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)

14.3 Transport hazard class(es)

ADR

Class 2 5F Gases.
Label 2.1

IMDG, IATA

Class 2 Gases.
Label 2.1

14.4 Packing group
ADR, IMDG, IATA Void

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Warning: Gases.
Hazard identification number (Kemler code): -
EMS Number: F-D,S-U
Stowage Category B
Stowage Code SW2 Clear of living quarters.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

Transport/Additional information:

ADR
Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
Transport category 2
Tunnel restriction code D

(Contd. on page 10)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 9)

IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REACH Regulation 1907/2006/EC
Regulation (EU) 2015/830
CLP Regulation 1272/2008/EC
Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.
Council Directive 94/33/EC on the protection of young people at work, as ammended.
Directive 92/85/EEC 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, as ammended
Note K applies. Contains less than 0.1% w/w 1,3-butadiene (EINECS No 203-450-8).

Directive 2012/18/EU
Named dangerous substances - ANNEX I Substance is not listed.
Seveso category P2 FLAMMABLE GASES
Qualifying quantity (tonnes) for the application of lower-tier requirements 10 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 50 t

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Relevant phrases
H220 Extremely flammable gas.
H224 Extremely flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.

(Contd. on page 11)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation), EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 01.12.2020 **Version number 1** **Revision: 01.12.2020**

Trade name: Camper Gaz / OLYMPUS mountain series Camper Gaz

(Contd. of page 10)

H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Training hints
Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Department issuing SDS:

SUSTCHEM S.A.
REACH & Chemical Services Department
A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece
T: +30 210 8252510 | F: +30 210 8252575
W: www.sustchem.gr | E: info@suschem.gr

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases – Category 1
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 1: Flammable liquids – Category 1
Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Sens. 1B: Skin sensitisation – Category 1B
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1