

SAFETY DATA SHEET FOR

Parasene Butane/Propane Gas

1. Identification of the Product.

Commercial Name Parasene Butane/Propane Gas

Name and Address of Supplier

Parasene a Division of H & E Knowles Limited
Unit 20 Waterfall Lane Trading Estate
Waterfall Lane Cradley Heath
West Midlands UK B64 6PU
Tel +44 (0)121 508 6570 Fax +44(0)121 508 6590

2. Composition/Information on Ingredients

Substance Present	CAS No	EINECS No	R No	Conc Range
BUTANE & ISOBUTANE & PROPANE	106-97-8 & 75-28-5 & 74-98-6	203-448-7 & 200-857-2	R12	Over 30%

3. Hazard Identification

Human

A Liquefied gas cannot be ingested

May irritate the eye

Contact With the liquid will cause freezing damage to the eye. Frost Bite

Skin Contact with liquid product can cause frost bite (cold burns)

Inhalation may cause headache, nausea, vomiting, dizziness, euphoria, drowsiness, in poorly ventilated or confined spaced unconsciousness and asphyxia.

Inhalation may cause irritation to the nose and upper respiratory tract.

Safety

EXTREMELY FLAMMABLE

Ecological

Will photodegrade to carbon dioxide and water in the environment

4. First Aid

In cases of eye contact, wash out the eye thoroughly with plenty of clean water. In cases of inhalation, remove from exposure. Keep Warm and at rest. In cases of cold burns immediately place affected area in tepid to warm water and keep immersed until circulation returns.

Severe inhalation over exposure to the vapour may sensitise the heart to catecholamine-induced arrhythmias. Do not administer catecholamines to an exposed person.

5. **Fire Fighting Measures**

Fumes containing carbon dioxide and carbon monoxide may be formed in large fires.

In case of fire use powder, foam, sand, water spray.

Avoid using large quantities of water

In case of fire cool the stored aerosol cans with water spray.

In case of fire self-contained breathing apparatus must be worn.

6. **Accidental Release Measures**

Evacuate area, except for personnel dealing with the emergency.

Extinguish sources of ignition. Ventilate area to allow gas to disperse

Failure to contain a release must be notified to both the local authority and Parasene a Division of H & E Knowles Limited.

Wear impervious gloves/overalls, eye protection and a vapor absorbing face mask while clearing the spillage up.

Seek advice from the local authority or seek guidance from Parasene a Division of H & E Knowles Limited.

7. **Handling and Storage**

Keep away from sources of ignition.

Store the cans at between 5 and 50 degrees Centigrade out of direct sunlight.

Do not store close to strong oxidising agents which could aggravate any fire situation.

Use in a well ventilated area.

Do not store product in direct sunlight.

8. **Exposure Control/Personal Protection**

Avoid Contact with eyes, skin or clothes. Do not inhale the spray

Working procedures should be designed to minimise worker exposure to this product. Where this is not possible the following personal protective equipment should be provided.

Hand Protection	Impervious gloves recommended.
Skin Protection	Protective overalls and shoes/boots recommended
Eye Protection	Chemical safety goggles recommended
Respiratory Protection	Adequate respiratory protection recommended

All personal protective equipment must comply with the appropriate EU (CE) standard and should be maintained and stored to ensure suitability for use.

Workers should be trained in the effective use and maintenance of the personal protective equipment provided.

Occupational Exposure Limits

Butane 8 hr TWA 600ppm 10 min Stel 750ppm

Liquefied Petroleum Gas 8 hr TWA 100ppm 10 min Stel 1250ppm

9. Physical and Chemical Properties

Appearance	Colourless Liquefied Gas
Odour	Distinctive
Relative Density	0.55 – 0.56
Solubility in Water	insoluble
Flash Point	-74 to –104 degC
Vapour Density	1.87 (air = 1)
Boiling Point	-15 degC

10. Stability and Reactivity

Can form explosive mixtures of vapour and air.

May react with strong oxidants.

11. Toxicological Information

May cause frost bite

May cause eye irritation

Will cause frost bite

Inhalation of the aerosol/spray may cause irritation of the nose and upper respiratory tract. Prolonged inhalation of high concentrations of the aerosol and derived vapours may induce narcosis and death. Inhalation of the aerosol may induce irritation of the nose and throat. Inhalation may cause headache, nausea, vomiting, dizziness, euphoria, drowsiness, unconsciousness and asphyxia.

12. Ecological Information

Do not release into surface waters.

Will rapidly photo-degrade in the environment.

13. Disposal Considerations

When disposing of waste or surplus material avoid contact with the eye and skin. Wear impervious gloves/overalls and chemical safety goggles. Keep away from sources of ignition.

Discharge in well-ventilated areas

Do not mix with other waste materials

Dispose of in accord with National Regulations. Seek advice from the local waste authority or from Parasene.

14. Transport Information

This product is classified as dangerous for Transport and should be labelled.

UN No: 2037

Class: 2 (3) Hydrocarbon gases, liquefied.

Classification for carriage: Flammable Gas

Hazchem Code 2WE

ADR/RID Class 2, Liquefied Gas

IATA/CAO Class 2

15. Regulatory Information

This preparation has been assessed using the health and safety criteria laid down in the EU Directives on the control of dangerous Substances and Preparations. It is found to be not classified using the health criteria but is classified as “dangerous” according to the safety and should be labelled:-



Physical Hazard Symbol

Extremely Flammable

EXTREMELY FLAMMABLE

R21 **EXTREMELY FLAMMABLE**

S2 Keep Out of the reach of children.

S43 In case of fire, use dry chemical, foam or fine water spray – Do not use water jet

S16 Keep away from sources of ignition- No Smoking

S9 Keep container in a well ventilated place

Contains 100% by weight flammable material.

Solvent abuse can kill instantly

Pressurised Container: protect from the sunlight and do not expose to temperatures exceeding 50 degree centigrade.

Do not pierce or burn the can, even after use.

Do not spray on to naked flame

Do not spray into the eyes or onto the skin and avoid inhalation of the vapour or spray.

Use only as directed.

16. Other Information

This safety data sheet takes into account the enactment of council directive 88/379/EEC and its amendments/adaptations.

This Safety data sheet is accurate to the best of our knowledge and is based on information which we consider to be reliable. It is furnished without warranty.

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