

SAFETY DATA SHEET

SDS Reference No.	: 96/40
Issue Date	: May 2010
Revision No.	: 2

I PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

SAROME BUTANE GAS

1.2 Company identification: Keen (World Marketing) Limited,
1 Northbrook Street,
Newbury,
Berkshire,
RG14 1DJ

1.3 Emergency contact number: 44 (0) 1635 - 34600
(office hours only)

II COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Chemical composition : blend of hydrocarbons consisting primarily of propane, iso-butane and n-butane

2.2 Risk phrases : Extremely flammable gas

2.3 Classification/symbol : Extremely flammable gas/F+

III HAZARDS IDENTIFICATION

Extremely flammable liquified gas.

Eyes: contact with liquid or gas under pressure can cause frostbite (cold burns)

Skin: contact with liquid can cause frostbite (cold burns)

Inhalation: may cause irritation to nose and throat, headache, nausea, vomiting dizziness, euphoria, drowsiness. In poorly ventilated or confined areas, unconsciousness and asphyxiation may result.

IV FIRST AID MEASURES

4.1	Eye contact	: flush immediately with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surfaces of eye and lids with water. Get immediate medical attention.
4.2	Skin contact	: in case of cold burns, immediately place affected area in tepid to warm water, and keep immersed until circulation returns.
4.3	Inhalation	: remove patient immediately to uncontaminated area. Keep warm and at rest. If breathing has stopped or shows signs of failing, commence artificial respiration. Get immediate medical attention.
4.4	Ingestion	: no emergency care anticipated, since product is a gas under normal conditions.
4.5	Immediate medical advice	: severe inhalation/over exposure may sensitize the heart to catecholamine-induced arrhythmias. Do NOT administer catecholamines to an over-exposed person.

V FIRE FIGHTING MEASURES

5.1	Special fire/explosion hazard	: can form explosive mixtures with air.
5.2	Products of combustion	: oxides of carbon
5.3	Fire fighting procedures/extinguishing media	: dry powder only

VI ACCIDENTAL RELEASE MEASURES

6.1	Personal protection	: avoid contact with liquid and vapour.
6.2	Environmental precautions	: extinguish all naked flames and sources of ignition; disperse vapour.
6.3	Methods of cleaning up	: disperse vapour with water spray.

VII HANDLING AND STORAGE

7.1	Precautions during handling	: do not use in the vicinity of naked flames and sources of heat.
7.2	Precautions during storage	: store away from sources of heat and ignition.
7.3	Packing materials	: aerosol containers

VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Special protective measures	: use in well ventilated areas
	Respiratory	: avoid exposure to vapour.
	Hand	: avoid contact
	Eye	: avoid contact
	Skin	: avoid contact
8.2	Exposure limits	: long term (8hr TWA) : 600 ppm short term (10 mins) : 750 ppm

IX PHYSICAL AND CHEMICAL PROPERTIES

9.1	Physical state	: colourless liquified gas
9.2	Odour	: odourless
9.3	Temperature characteristics	: boiling point : -11°C
9.4	pH	: not applicable
9.5	Solubility	
	- in water	: insoluble
9.6	vapour pressure (25°C)	: 3.18 - 3.46 bar
9.7	Density	: 0.552
9.8	Flammability - liquid	:
	(25°C)	:
	- vapour (15°C)	
	- flash point	: -74 to -104°C
	- autoignition temperature	: 405 - 550°C
	- flammable limits	: 1.8 - 10.0% in air

X STABILITY AND REACTIVITY

10.1	Stability	: can form explosive mixtures with air
10.2	Conditions/materials to avoid	: strong oxidising agents, peroxide, plastics, chlorine dioxide, and concentrated nitric acid.
10.3	Hazardous decomposition products	: normally carbon dioxide (carbon monoxide if deficiency in oxygen supply)

XI TOXICOLOGICAL INFORMATION

11.1	Toxicological data	:
11.2	Effects of exposure	
	- eyes	: not applicable, product is a gas
	- skin	: not applicable, product is a gas
	- inhalation	: not determined
	- ingestion	: not applicable, product is a gas
	- carcinogenicity	: no known behaviour
	- mutagenicity	: no known behaviour
	- tetragenicity	: no known behaviour

XII BIOLOGICAL INFORMATION

12.1	Mobility	: evaporates into atmosphere
12.2	Persistence and degradability	: degrades under atmospheric conditions
12.3	Ecotoxicity	: no known ecological damage caused by this product.

XIII DISPOSAL CONSIDERATIONS

13.1	Disposal of product	: do not discharge into areas where there is a risk of forming an explosive mixture.
13.2	Disposal of packaging	: as with other aerosol packaging

XIV TRANSPORT INFORMATION

- 14.1 UN No : 1950
14.2 UK road
- Hazchem code : 2WE
- Classification : flammable gas
14.3 RID-ADR
- Class : 2

XV REGULATORY INFORMATION

- 15.1 Chemicals (Hazard Information and Packaging) Regulations 1994:
- Risk phrases : R13 Extremely flammable liquified gas
- Safety phrases : S16 Keep away from sources of ignition - no smoking
S9 Keep in a well ventilated place
- Classification/symbol : Extremely flammable/F+
15.2 Exposure limits : long term (8hr TWA) : 600 ppm
short term (10 mins) : 750 ppm
15.3 National legislation : The Chemicals (Hazard Information & Packing) Regulations 1994
The Control of Substances Hazardous to Health Regulations
The Health and Safety at Work Act

XVI OTHER INFORMATION

- 16.1 Recommended uses : refills for cigarette lighters
16.2 Sources of data used to compile data sheet : suppliers' data sheets
16.3 Sections revised : 1.2; 9.7; 9.8.

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