

Butane

SB38457

**SAFETY DATA SHEET**

4400.

SDS Reference No. : 96/40  
Issue Date : FEB 2007  
Revision No. : 2

**I PRODUCT AND COMPANY IDENTIFICATION**

1.1 Identification of the substance or preparation:

**GAS REFILLS-**

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.

<b>IV FIRST AID MEASURES</b>	
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 <b>NOT</b> administer catecholamines to an over-exposed person.

<b>V FIRE FIGHTING MEASURES</b>	
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

<b>VI ACCIDENTAL RELEASE MEASURES</b>	
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.

<b>VII HANDLING AND STORAGE</b>	
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

<b>VIII EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
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

<b>IX PHYSICAL AND CHEMICAL PROPERTIES</b>		
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

<b>X STABILITY AND REACTIVITY</b>		
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)

<b>XI TOXICOLOGICAL INFORMATION</b>		
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

<b>XII BIOLOGICAL INFORMATION</b>		
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

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**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.

This information is given in good faith and is based on information and tests believed to be reliable. The suitability of this product for any particular use is not suggested or implied. This document is not a specification and properties shown are not guaranteed.

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**BUTANE FUEL REFILL CARTRIDGE**  
**Item # EW-M1**  
**FOR ALL PORTA-LAB™**  
**PORTABLE LABORATORY GAS APPLIANCES**



A Premium quality Butane fuel that prevents clogging of fuel ports, and provides a cleaner burn. These smaller cartridges (up to 4oz), can be shipped (ground) without additional hazardous shipping charges (requires an ORM-D/Consumer Commodity Label). (Call for copy of DOT Regulations)

**Specifications:**

Min. Case Pack:	72 canisters (6 x 12/pk)
Case Pack Weight:	6.3Kg (14lbs)
Unit Weight:	100ml (3.38oz)
Case Pack Size:	13"X 12"X 7.5"
Unit size:	.7" X 6.5"

**Global Market Connections, Ltd**

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