

GC Electronics
1801 Morgan Street
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Product Name: Colibri Butane Gas
MSDS Number: 224
Revision Date: 6/7/10
Supersedes Date: 4/11/07

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Butane Gas
Product Name: **Colibri Butane Gas**
Part Number(s): **12-133**

Emergency Contact: **Chemtrec**
Phone (24 hours): **(800) 424-9300**

Section 1 - Identification of Product

HMIS Ratings:	Least	0
	Slight	1
Health NA	Moderate	2
Flammability NA	High	3
Reactivity NA	Extreme	4
Personal Protection NA		

Section 2 - Hazardous Ingredients

Hazardous Components (Specific Chemical Identity)		OTHER LIMITS		% WT.
Common Name	CAS#			
Butane	106-97-8	Long Term (8 Hr. TWA):	600 ppm	78%
	74-98-6	Short Term (10 Mins.):	750 ppm	
Propane				22%

Chemical Composition: Blend of hydrocarbons consisting primarily of propane, iso-butane and n-butane
Risk Phrases: Extremely flammable gas
Classification/Symbol: Extremely flammable gas/F+

Section 3 - Physical Data

Boiling Point: -11°C
Vapor Pressure (25°C): 3.18 – 3.46 Bar
Density: 0.552
Evaporation rate (Butyl acetate =1): NA
Solubility in Water: Insoluble
Odor: Odorless
Physical State: Colorless liquified gas
PH: Not applicable

Section 4 - Fire & Explosion Hazard Data

Flammability:	Liquid (25°C) Vapor (15°C)
Autoignition Temp:	Range 405 - 550°C
Flash Point:	-74 to -104° (-101 to 156°F)
Flammable Gas Explosion Limits:	LEL: 1.8% UEL: 10% in air
Extinguishing Media:	Dry Powder Only
Special Fire Fighting Procedures:	Do not use foam Keep the containers cool with water
Special Fire and Explosion Hazards:	Cans can explode when heated above 50°C (can form explosive mixture with air)
Products of Combustion:	Oxides of Carbon

Section 5 - Health Hazard Data

Routes of Entry:	A) Inhalation? Y B) Skin? Y C) Ingestion? No D) Eyes? Y
Health Hazards:	Extremely flammable liquified gas
Eyes:	Contact with liquid or gas under pressure can cause frost bite
Skin:	Contact with liquid can cause frost bite (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.
Emergency and First Aid Procedures:	
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.
Skin Contact:	In case of cold burns, immediately place affected area in tepid to warm water and keep immersed until circulation returns.
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.
Ingestion:	No emergency care anticipated since product is a gas under normal conditions.
Immediate Medical Advice:	Severe inhalation/over exposure may sensitize the heart to catecholamine-induced arrhythmias. Do NOT administer catecholamines to an over-exposed person.

Section 6 - Reactivity Data

Stability:	Can form explosive mixtures with air
Conditions/Materials to Avoid:	Strong oxidizing agents, peroxide, plastics, chlorine dioxide, and concentrated nitric acid.
Hazardous Decomposition Products:	Normally carbon dioxide (carbon monoxide if deficiency in oxygen supply)

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Section 7 - Spill or Leak Procedures

Steps To Be Taken in Case Material Is Released Or Spilled:

Do not use in the vicinity of naked flames and sources of heat. Store away from sources of heat and ignition. Ventilation, avoid sources of ignition.

Waste Disposal Method:

Ventilation, avoid sources of ignition
NOTE: Dispose of all wastes in accordance with federal state and local regulations.

Methods of Cleaning Up:

Dispense vapor with water spray.

Section 8 - Special Protection Information

Personal Protection:

Avoid contact with liquid and vapor.

Environmental Precautions:

Extinguish all naked flames and sources of ignition; disperse vapor.

Methods of Cleaning Up:

Dispense vapor with water spray.

Control Measures:

Respiratory Protection (specific type):

Avoid exposure to vapor.

Ventilation:

Use in well ventilated area.

Skin:

Avoid contact.

Hand:

Avoid hand contact

Eye Protection:

Avoid contact

Exposure Limits:

Long term (8 hours TWA): 600 ppm, short term (10 mins): 750 ppm

Section 9 – Special Precautions

Precautions To Be Taken in Handling And Storing:

Do not use in the vicinity of naked flames and sources of heat. Aerosols must be stored in a dry cool place away from sources of heat and ignition.

Disposal of product:

Do not discharge into areas where there is a risk of forming an explosive mixture.

Disposal of Packaging:

As with other aerosol packaging.

Section 10 - Regulatory Information

Hazard Class:

2WE (flammable gas)

UN or NA ID#:

UN 1950

Proper Shipping Name:

Butane

Labeling:

ORM-D

RID-ADR Class:

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Chemicals (Hazard Information and Packaging) Regulations 1994:

Risk Phrases: R13 Extremely flammable liquified gas
Safety Phrases: S16 Keep away from sources of ignition.
S9 Keep in a well ventilated place

Classification Symbol: Extremely flammable/F+
Exposure Limits: Long term (8 hours TWA): 600 ppm
Short term (10 mins): 750 ppm

National Legislation: The chemicals (Hazard Information and Packing) Regulations 1994
The Control of Substances Hazardous to Health Regulations
The Health and Safety at Work Act

Section 11 - Other Information

Toxicological Data:

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 behavior
Mutagenicity: No known behavior
Tetratogenicity: No known behavior
Mobility: Evaporates into atmosphere
Persistence and Degradability: Degrades under atmospheric conditions
Ecotoxicity: No known ecological damage caused by this product.

Recommended Uses: Refills for cigarette lighters.

Disclaimer

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