BLAZER PRODUCTS

Safety Data Sheet

J&B PART NUMBER

9462

Section 1	PRODUCT INDENTIFICATION
Product Name	Liquefied Petroleum Gas, Butane
Recommended Use	As an ignition fuel for butane torches and lighters
Synonyms/Trade Names	Butane, Blazer Butane
Restrictions on Use	None known
Manufacturer	Blazer Products, 88 Allen Blvd Farmingdale, NY USA 11735
Emergency Phone Number	Chemtrec 800-424-9300

Section 2	HAZARD INDENTIFICATION
DANGER	 Highly flammable liquid and vapor
GHS Classification	Flammable Gas Category 1 Gas under pressure, Liquefied gas
Hazard Statement	Extremely flammable gas Contains gas under pressure May cause drowsiness and dizziness
Prevention	Keep away from heat, sparks, open flame and hot services. No Smoking. Avoid inhaling. Use in well ventilate area.

Section 3	COMPOSITION/INFORMATION ON INGREDIENTS			
Hazardous Components (chemical & common names)	Approximate Concentration %	C.A.S Number		
Petroleum Hydrocarbon		106-97-8		
Liquefied Petroleum Gas	56.5120			
N Butane	17.2794			
Iso-Butane	25.7867			
Propane	0.4219			

Section 4	FIRST AIR MEASURES
Inhalation	If adverse effects occur, remove to fresh air. If breathing is difficult oxygen should be administered by qualified personnel. Seek medical attention if required.
Eyes	Flush eyes with plenty of water for at least 15 minutes and seek medical advice.
Skin Contact	Wash immediately with plenty of water. If frostbite occurs seek medical attention.
Ingestion	If a large amount is swallowed do not induce vomiting. Seek medical attention.

Section 5	FIRE-FIGHTING MEASURES
Specific Hazards	Severe explosion hazard. Vapor/air mixture are explosive. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back.
Extinguishing Media	Use dry chemical, CO2 or appropriate foam
Fire Fighting Methods and Protection	Wear full fire-fighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.
Hazardous Combustion Products	Carbon dioxide, Carbon monoxide.

Section 6	ACCIDENTAL RELEASE MEASURES
Personal Precautions	Wear personal protective clothing including respiratory protection as warranted. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental Precautions	Avoid release to the environment.
Containment Methods	Use dry chemical, CO2 or appropriate foam. Do not touch spilled material. Reduce waters with water spray. Contain with foam.
Cleanup Methods	Remove sources of ignition. Isolate area. Ventilate closed spaces.

Section 7	HANDLING AND STORAGE
Handling Procedures	Keep away from heat and ignition sources. Use only with adequate ventilation. Wash thoroughly after handling.
Storage Procedures	Store in a cool/low temperature, well-ventilated place away from heat and ignition.
Incompatibilities	Oxidizing materials.

Section 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
Component Exposure Limits	
Iso Butane	800 ppm (1900 mg/m3) NIOSH recommended TWA 10 hour(s)
Liquefied Petroleum Gas	1000 ppm (1800 mg/m3) OSHA TWA 1000 ppm ACGIH TWA 1000 ppm (1800 mg/m3) NIOSH recommended TWA 10 hour(s)
N Butane (106-97-8)	ACGIH 1000 ppm STEL
Engineering Controls	Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits.
Personal Protective Equipment	
Eyes/Face	For the gas: Eye protection not required, but recommended. For the liquid: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Protective Clothing	For the gas: Protective clothing is not required. For the liquid: Wear appropriate protective, cold insulating clothing.
Gloves	Wear insulated gloves.
Respirator	The following respirators and maximum use concentrations are drawn from NIOSH and/or OSHA. 2000 ppm - Any supplied-air respirator. Any self-contained breathing apparatus with a full face piece. Escape - Any appropriate escape-type, self-contained breathing apparatus. For Unknown Concentrations or Immediately Dangerous to Life or Health - Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full face piece.

Section 9	PHYSICAL AND CHEMICAL PROPERTIES		
Physical State	Liquefied gas	Appearance/Description	Colorless, gas
Color	Colorless	Physical Form	Gas
Odor	Unpleasant odor	Odor Threshold	6.16 ppm
Boiling Point	-0.5 C	Flash Point	120°F
Decomposition	N/A	Evaporation Rate	N/A
Vapor Density (Air=1)	2.0	Specific Gravity	0.60
Solubility in Water	Slight	Vapor Density (Air=1)	2.0

Section 10	STABILTY AND REACTIVITY		
Reactivity	No reactivity is expected	Chemical Stability	Stable at normal temp, pressure
Hazardous Polymerize	Will not occur	Incompatible Materials	Oxidizing materials
Hazardous Decomposition	Oxides of carbons	Odor Threshold	6.16 ppm
Conditions to Avoid	Heat, flames, sparks and other sources of ignition		

Section 11	TOXICOLOGICAL INFORMATION		
Acute and Chronic Toxicity. Component Analysis –LD50/LC50 The components of this material have been reviewed in various sources and the following selected endpoints are published. Inhalation LC50 rat 658 g/m3 4 h			
RTECS Acute Toxicity (selected) The components of this material have been reviewed, and RTECS publishes the following endpoints;			
N-Butane (106-97-8)	Inhalation:	680000 mg/m3/2 hour Inhalation Mouse LC50	
		658000 mg/m3/4 hour Inhalation Rat LC50	
Acute Toxicity Level			
Non Toxic	Inhalation	**Immediate Effects**	Frostbite, central nervous system effects.
Delayed Effects	No information on significant adverse effects.		
Component Carcinogenicity	None of this products components are listed by OSHA, ACGIH, DFG, IARC or NTP		
Delayed Effects	No information on significant adverse effects.		
Chronic Effects			

Mutagenic	None known.	**Respiratory Sensitizer**	No data available.
Aspiration Hazard	Not applicable.	**Reproductive Effects Data**	No data available
Dermal Sensitizer	No data available	**Medical Conditions Aggravated by Exposure**	None known.

Section 12	ECOLOGICAL INFORMATION		
Persistence and Degradability	No available data	Bio accumulative Potential	Bioconcentration potential in aquatic organisms is moderate.
Mobility in Soil	Low	Other Adverse Effects	No available data

Section 13	DISPOSAL CONSIDERATIONS
Disposal Methods	Dispose in accordance will local regulations. Subject to disposal regulations: US EPA 40 CFR 262 Hazardous Waste Number(s): D001

Section 14	TRANSPORT INFORMATION				
US DOT Information Shipping Name	Butane	**UN/NA #**	UN1075	**Required label(s)**	2.1
IMDG Information Shipping Name	Butane	**UN/NA #**	UN1075	**Required label(s)**	2.1

Section 15	REGULATORY INFORMATION
U.S. Federal Regulations: None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.	

Section 16	OTHER INFORMATION
Last Revision Date	5/1/2014
Preparation Date	6/1/2014
Blazer Products makes no express or implied warranties, guarantees or representations regarding the product of the information herein, including but not limited to any implied warranty or merchantability or fitness for use. Blazer Products shall not be liable for any personal injury, property or other damages of any nature, whether compensatory, consequential, exemplary, or otherwise, resulting from any publication, use or reliance upon the information herein.	

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