


MSDS

 **microflame** a division of
 Azure Moon Trading Corp
 20 Commerce Park N., Suite 101
 Bedford, NH 03110
 603-296-0393

Super Cub Butane Fuel & MicroTorch Refills Part #'s 8000, 8100, 8105, 8200

PRODUCT IDENTIFICATION:

Marketed by:	Azure Moon Trading Corp P.O. Box 10129 Bedford, NH 03110 603-296-0393
Emergency Number:	Chemtrec 800-424-9300
Chemical Trade Name, Synonyms:	LP Gas, Paraffinic hydrocarbon, n-butane
Chemical Family:	Hydrocarbon, LP Gas
Chemical Formula:	C ₄ H ₁₀

COMPONENTS:

Material	CAS Number	PEL/TLV, Source	Percent
n-butane	106-97-8	800 ppm, ACGIH	100%

PHYSICAL DATA:

Boiling Range:	31°F
Pressure in can at 70°F:	Approximately 17 psig
Vapor Density (Air=1):	Greater than 1
Solubility in water:	Negligible
Specific Gravity (water=1):	Less than 1
Percent Volatile by weight:	100%
Evaporation Rate (BuAce=1):	Flash evaporates
Appearance and Odor:	Liquefied compressed gas, flash evaporates at room temperature when released from can. Colorless gas with strong mercaptan (skunk-like) odor due to stanching agent added to gas for leak detection purposes.

FIRE and EXPLOSION HAZARD DATA:

Flammability Category:	Extremely Flammable (Reference – Consumer Product Commission, flame projection test for aerosol products, per 16 CFR 1500.45)
Flash Point:	Less than -100°F, estimated
Flammable Limits:	LEL% 1.8 UEL% 8.4
Extinguishing Media:	Foam, Dry Chemical, Carbon dioxide
Unusual Fire and Explosion Hazards:	Avoid possible bursting of aerosol can. Do not store where temperature may exceed 120°F. Do not puncture or incinerate.
Special Fire Fighting Procedures:	Avoid possible accumulations of vapors at floor level, as vapor is heavier than air. Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. This product is extremely flammable at all times. Keep away from any sources of inadvertent ignition, including heat, fire, sparks, or flame.

HAZARDOUS REACTIVITY DATA:

Stability:	Stable
Condition to Avoid:	Heat, sparks, flames, and strong oxidizers
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	Carbon monoxide, other carbon oxides

HEALTH HAZARD DATA:

Suggested Exposure Guideline:	800 ppm
Primary Route of Exposure:	Inhalation, skin contact
Inhalation:	Dizziness, disorientation, headache, anesthesia
Skin Contact:	Vapors are not irritating. Freeze burns or frostbite possible if skin is in prolonged contact with vaporizing liquid.
Eye Contact:	Same as skin contact
Carcinogenicity:	None of the components in this material are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

FIRST AID:

Inhalation:	Remove to fresh air. Artificial respiration, consult physician.
Skin Contact:	Wash with soap and water. Remove soaked clothing to avoid prolonged skin contact.
Eye Contact:	Flush eyes well with running water for 15 minutes.
Ingestion:	NA, product is gaseous at normal temperature and pressure.
Sub chronic & Chronic Effects of Overexposure:	Ames test exhibited negative results. Human volunteers exposed repeatedly to hydrocarbon mixture gases at concentrations ranging from 250 to 1000 ppm exhibited no cardiac or pulmonary function abnormalities.

PRECAUTION FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case

Material is Released or Spilled:	Protect from any ignition source, keep away from heat, fire sparks, or flame. Ventilate area well. Avoid accumulation of vapor at low levels.
Waste Disposal Method:	Dispose of in accordance with all local, state and federal regulations. Do not puncture or incinerate.
Respiration Protection:	If TLV is exceeded wear NIOSH-approved, self-contained breathing device or respirator.
Ventilation:	Must be adequate to maintain vapors at less than 800 ppm, particularly at floor level, as vapors are heavier than air.
Protective Gloves:	None are needed for normal use. Solvent-resistant rubber type recommended if prolonged exposure expected.
Eye Protection:	Safety glasses or goggles are recommended.

HANDLING AND STORAGE PRECAUTIONS:

Precautions to be taken in handling and storage:	Do not store where temperature may exceed 120°F. Store away from fire, sparks or flame. Store in suitable area for hazardous material storage.
Hazard Class:	Consumer Commodity ORM-D

SPECIAL PRECAUTIONS:

Precautions for usage:	Do not use near heat, fire, flame, or sparks. Avoid excessive breathing of vapor. Do not spray in direction of body. Use only in accordance with directions.
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Notice: This data represents typical values, not product specifications. No guarantee of accuracy or completeness is made. No responsibility is assumed for any kind of loss or damages arising from use of this data.