



Material Safety Data Sheet

TO: MSDS USERS

Please find below the material safety data sheet as per your request. The information presented in this form is believed to be correct and sufficient to meet the requirements of OSHA Hazard Communication standard (29 CFR 1910.1200) concerning worker's right to know. In order for the information contained in the MSDS to be most helpful, we recommend that these forms be made available to all those who handle or may otherwise be exposed to the product. This MSDS covers the following Athena Brands products:

PRODUCT NAME:	PRODUCT CODE:	HMIS CODES: H F R P
Max Burton Premium Butane Fuel	#01213	2 4 0 X
Max Burton Butane Fuel Cartridge	#01215	
MasterGlow High Performance Fuel	#01219	
MasterGlow High Performance Fuel Blend Cartridge	#01220	
MasterGlow Refillable Gas Lighter	#01253	
MasterGlow Refillable Gas Lighter Kit	#01254	

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURED FOR: Athena Brands, Inc.

ADDRESS: 1100 Mark Circle, Gardnerville, NV 89410

INFORMATION PHONE: 775-783-1000

EMERGENCY PHONE: 1-800-424-9300

REASON REVISED: Updated 07/21/10

SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION

OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS CONTENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*Hydrocarbon propellant (CAS 68476-86-8)	100	1000 PPM	1000 PPM	6960 mg/kg oral-rat	N/A

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. **NOTE:** N/A applies to not available or not applicable

*Ethyl Mercaptan may be added as an odorant

II. CHARACTERISTICS AND PROPERTIES

Specifications:

None

Appearance:

Clear gas, non-staining

Color:

Translucent

Odor:

Odorized gas

Performance and Chemical Properties:

Aerosol

Weight per gallon.....	4.83 lbs
Specific gravity (H ₂ O = 1)	0.58 @ -50°C
Flammability:	
Label marking	Extremely flammable
Flash point.....	<0°C
Volatile Organic Compound level	100%
Operating temperature range	40° to 110°F (5° to 43° C)
Auto ignition temperature range	761° to 842°F (405° to 450°C)
Boiling point.....	-40° to 30°F (-40° to 1°C)
Vapor pressure	30 psi @ 70°F

Base Materials LPG Hydrocarbon Propellant

III. SHIPPING, STORAGE AND HEALTH

IMDG number	UN1965
D.O.T. container spec.....	2P - DOTREG.M4981
D.O.T. shipping description.....	Hydrocarbon Gas Mixture, Liquefied, N.O.S. (Hydrocarbon Propellant)
Warehouse storage level number.....	NFPA 30B Level 3
Hazardous class (CFR-49)	2.1
Storage temperature	32° to 120°F (0° to 49°C)
HMIS ratings	
Health	1
Fire	4
Reactivity	0

IV. MISCELLANEOUS

Does not contain ozone depleting substances.

V. WARRANTY

The statements made herein, on labels, product bulletins or by any of our employees or agents concerning this material are given for information only. Any liability whatsoever of Aervoe Industries, Inc. to the user of the product, is limited to replacement of the product or purchase price refunded.

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: -40°F to 30°F	SPECIFIC GRAVITY (H₂O=1): 0.58 @ -50°C
COEFFICIENT OF WATER/OIL DIST: N/A	ODOR THRESHOLD: 20,000 ppm (propane)
VAPOR DENSITY: Heavier than air	SOLUBILITY IN WATER: Insoluble
EVAPORATION RATE: Faster than n-Butyl Acetate	APPEARANCE: Translucent
FREEZING POINT: N/A	pH: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: <0°C**METHOD USED:** Estimated **FLAMMABLE LIMITS - LOWER:** 1.9% **UPPER:** 9.5%**EXTINGUISHING MEDIA:** CO₂, dry chemical, water fog**SPECIAL FIRE FIGHTING PROCEDURES:** Water spray may be used to cool containers exposed to heat or fire to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Closed containers may explode due to pressure build up from extreme heat or fire. Vapors are extremely flammable and may form explosive mixtures in air. Vapors are heavier than air and may travel long distances to a source of ignition and flash back.**SENSITIVITY TO IMPACT:** Contents under pressure, do not puncture.

SECTION V - REACTIVITY DATA

STABILITY: Stable**CONDITIONS TO AVOID:** Elevated temperatures, contact with oxidizing agents, sparks, open flames and ignition sources.**INCOMPATIBILITY (MATERIALS TO AVOID):** Chlorine dioxide, nitric acid, strong oxidizers.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon monoxide and carbon dioxide.**HAZARDOUS POLYMERIZATION:** Will not occur.

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation, skin contact, eye contact**EFFECTS OF OVEREXPOSURE (SIGNS AND SYMPTOMS):****INHALATION:** Nausea, vomiting, difficulty breathing, headache, drowsiness, dizziness, disorientation, loss of coordination, suffocation, convulsions, uncon-sciousness, coma**SKIN CONTACT:** Frostbite**EYE CONTACT:** Frostbite**INGESTION:** Ingestion of gas is unlikely**EMERGENCY FIRST AID PROCEDURES:****INHALATION:** If affected, remove to fresh air. If signs or symptoms persist, seek medical attention. **SKIN CONTACT:** If frostbite or freezing occurs, seek immediate medical attention.**EYE CONTACT:** Flush immediately with water for 15 minutes. If signs or symptoms persist, seek medical attention.**INGESTION:** If a large amount is swallowed, seek medical attention.**CARCINOGENICITY:** None known**NTP:** No**IARC MONOGRAPHS:** No**OSHA REGULATED:** No**TERATOGENICITY:** N/A**MUTAGENICITY:** N/A**TOXICOLOGICALLY SYNERGISTIC PRODUCT:** N/A**MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE:** None known

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Immediately stop and remove all sources of ignition - flames, sparks, static electricity & electrical. Ventilate area using explosion proof equipment. Class 1, Div 1 rated.**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers.**OTHER PRECAUTIONS:** Do not get in eyes. Do not breathe vapors. Avoid skin contact. Do not take internally. Smoking while using this product must be strictly prohibited.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: For concentrations above the exposure limit, use a positive air supplied respirator. Follow OSHA and other requirements. **VENTILATION:** All application areas should be adequately ventilated in order to keep the items in SECTION II below their exposure and explosion limits.**PROTECTIVE GLOVES:** Insulated gloves are recommended to prevent skin contact.**EYE PROTECTION:** Safety glasses with side shields or goggles are recommended to prevent eye contact.

SECTION IX - DISCLAIMER

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO. NOTHING CONTAINED HEREIN CONSTITUTE A SPECIFICATION NOR IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.

Product Data Sheet

No. 51215 - 07/11

MAX BURTON® BUTANE FUEL CARTRIDGE

AEROSOL VOC <100%

PRODUCT NUMBER: 1215 7.8 OZ. NET WT.



I. GENERAL DESCRIPTION

Features: Max Burton® Butane Fuel Cartridge contains a highly refined and filtered liquefied petroleum gas (LPG) that is designed to be used in a variety of portable gas appliances. It features a notched collar valve to ensure proper alignment with gas appliance and a rim vent release dome that allows gas to release safely in the event of overpressure. The can is disposable (cannot be refilled) and UL approved.

Benefits: Max Burton Butane Fuel is purified for excellent flame quality. The can is specifically designed to fit all Max Burton table top burners and lanterns.

Uses: Use along with any Max Burton appliance while camping, picnicking, tableside cooking, or catering. Great addition to any emergency preparedness kit.

Warnings: Refer to product operating instruction guides for use in the appropriate appliance. Extremely Flammable. DO NOT use or store near heat or open flame. DO NOT puncture or incinerate. Use in well ventilated area. DO NOT attempt to light appliance when gas odor is detected. Keep out of the reach of children. Once all of the fuel is used, discard empty can in accordance with local aerosol disposal regulations. Refer to the Material Safety Data Sheet for specific information on material hazards.

This product contains and when burned produces chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Designed for use in Max Burton portable gas appliances such as table top burners, lanterns or other UL listed appliances. Failure to use in the above appliances may result in unsafe operation and danger to the operator.

Compatible with:

Industrial Torch Head #1252
Mr. Max Table Top Burner #8254

Packaging:

Each can (211x604):	7.8 oz. net wt. (220 g)	13.1 fl. oz. (388 ml)	
Case (12/case):	11 lbs. (4.9 kg)	0.56 CF (0.016 CM)	12.25" x 9" x 9"

II. CHARACTERISTICS AND PROPERTIES

Specifications:

None

Appearance:

Clear gas, non-staining

Color:

Translucent

Odor:

Odorized gas

Performance and Chemical Properties:

Aerosol

Weight per gallon.....	4.83 lbs
Specific gravity (H ₂ O = 1)	0.58 @ -50°C
Flammability:	
Label marking	Extremely flammable
Flash point.....	<0°C
Volatile Organic Compound level	100%
Operating temperature range	40° to 110°F (5° to 43° C)
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