



# 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:

<b>PRODUCT NAME:</b>	<b>PRODUCT CODE:</b>	<b>HMIS CODES:</b>
		<b>H F R P</b>
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:** 775-782-0136

**EMERGENCY PHONE:** 1-800-424-9300

**REASON REVISED:** Updated 11/14/03

## 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

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

<b>BOILING POINT:</b> -40°F to 30°F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b> 0.58 @ -50°C
<b>COEFFICIENT OF WATER/OIL DIST:</b> N/A	<b>ODOR THRESHOLD:</b> 20,000 ppm (propane)
<b>VAPOR DENSITY:</b> Heavier than air	<b>SOLUBILITY IN WATER:</b> Insoluble
<b>EVAPORATION RATE:</b> Faster than n-Butyl Acetate	<b>APPEARANCE:</b> Translucent
<b>FREEZING POINT:</b> N/A	<b>pH:</b> 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:** CO<sub>2</sub>, 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, unconsciousness, 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 CONSTITUTES A SPECIFICATION NOR IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.