



# Material Safety Data Sheet

TO: MSDS USERS

Please find below the material safety data sheet as per your request.

The information presented in these forms 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 International products:

**PRODUCT NAME:**

Max Burton Premium Butane Fuel  
Max Burton Butane Fuel Cartridge  
Glowmaster High Performance Isobutane  
Glowmaster Isobutane Fuel Cartridge  
Glowmaster Deluxe Refillable Gas Lighter

**PRODUCT CODE:**

#01213  
#01215  
#01219  
#01220  
#01253

**HMIS CODES**

H	F	R	P
2	4	0	X

## SECTION I - MANUFACTURER IDENTIFICATION

**MANUFACTURED FOR:** Athena International, Inc.

**INFORMATION PHONE:** 775-782-0136

**REASON REVISED:** Updated

**ADDRESS:** 1100 Mark Circle, Gardnerville, NV 89410

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

## SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS COMPONENTS	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

PRODUCT CODE: #01213 / #01215 / #01219 / #01220 / #1253

### SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

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

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: <0°C  
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: Remove all sources of ignition: Flames, sparks, static electricity & electrical. Ventilate area using explosion proof equipment.  
WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 110° F / 43° C. Do not store or use near heat, sparks or flame.  
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.  
VENTILATION: All application areas should be adequately ventilated in order to keep the items in SECTION II below their exposure 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.