

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administ
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

101034 Part# ST1100TS
 TORCH,MICRO,KIT #ST1100TS
 8 NEWELL/RUBBERMAID 8
 Buyer: Roger A. Ouellette

Identity (As Used on Label and List) BUTANE	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
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SECTION I

Supplier's Name Bernz-O-matic	Emergency Telephone Number 716-798-4949
Address <i>Number, Street, City, State and ZIP Code</i> One BernzOmatic Drive Medina, NY 14103	Telephone Number for Information 716-798-4949
	Date Prepared
	Signature of Preparer (Optional)

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components <i>Specific Chemical Identity, Common Name(s)</i>	OSHA PEL	ACGIH TLV	Other Limits Recommend ed	% (optional)
Butane C₄H₁₀		800 ppm		
NFPA HAZARD RATINGS Health Flammability Reactivity	HMIS RATINGS Health Flammability Reactivity			

Notes:

SECTION III - Physical / Chemical Characteristics

Boiling Point 11°F	Specific Gravity (H ₂ O - 1) .58
Vapor Pressure (mm Hg) 31 PSIG @70°F	Melting Point N/A
Vapor Density (AIR=1) 2.0	Evaporation Rate Butyl Acetate -1) N/A
Solubility in Water Negligible	
Appearance and Odor Colorless – Rotten Egg (Sulfur) Odor	

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used) -101°F	Flammable Limits	LEL 1.8	UEL 8.4
Extinguishing Media CO₂, Foam, Class "B" or "C" Extinguishers			
Special Fire Fighting Procedures Use Water to Cool Tanks			
Unusual Fire and Explosion Hazards Heavier than air (Vapor density 2.0). May travel a considerable distance to an ignition source and flash back.			

SECTION V - Reactivity Data

Stability Ξ	Unstable Stable X	Conditions to Avoid
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Incompatibility (Materials to Avoid)	N/A
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Hazardous Decomposition or Byproducts	N/A
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Hazardous Polymerization Ξ	May Occur Will Not Occur X	Conditions to Avoid
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SECTION VI - Health Hazard Data

Routes of Entry Ξ	Inhalation? YES	Skin? YES	Ingestion? NO
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Health Hazards (Acute and Chronic)	Burning the fuel may cause Carbon Monoxide (CO)
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Carcinogenicity Ξ	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure	Simple asphyxiant. Exposure to liquid may cause frost burn.
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Medical Conditions Generally Aggravated by Exposure	N/A
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Emergency and First Aid Procedures	Remove person to fresh air.
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Warning	This fuel, and byproducts of combustion of this fuel, contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.
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SECTION VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled	Remove ignition sources and ventilate area.
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Waste Disposal Method	
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Precautions to be Taken in Handling and Storing	Store out of direct sunlight at temperatures below 120°F.
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Other Precautions	None
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SECTION VIII - Control Measures

Respiratory Protection (Specify Type)	Not required with normal use.
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Ventilation Ξ	Local Exhaust N/A	Mechanical (General) N/A	Special N/A	Other N/A
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Protective Gloves	Not required	Eye Protection	Safety glasses recommended
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Other Protective Clothing or Equipment	Not required
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Work / Hygienic Practices	N/A
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SECTION IX - Shipping Information

WHMIS Classification: A-Compressed Gas & B1-Flammable Gas	Class: 2.1		
DOT	Proper Shipping Name Butane	Hazard Classification Flammable Gas	UN. No. 1011