

# 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 Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

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**IDENTITY** (As used on label and list)  
Master Appliance Ultratane Butane Fuel

**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.

## SECTION I.

<b>MANUFACTURER'S NAME</b>	Master Appliance Corp.	<b>EMERGENCY TELEPHONE NO.</b>	1-800-535-5053 (Infotrac)
<b>ADDRESS</b>	2420 18 <sup>TH</sup> Street	<b>TELEPHONE NO. FOR INFORMATION</b>	1-262-633-7791
	PO BOX 68	<b>DATE PREPARED</b>	January 2, 2008
	RACINE WI 53401	<b>SIGNATURE OF PREPARER</b>	(optional)

## SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

### HAZARDOUS COMPONENTS

(Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended % (optional)
Isobutane (CAS 75-28-5)	NE	800ppm	
Propane (CAS 74-98-6)	1000ppm	NE	
Butane (CAS 106-97-8)	800ppm	800ppm	

## SECTION III. SHIPPING INFORMATION

<b>PROPER SHIPPING NAME</b>	Petroleum Gases, Liquefied
<b>CLASS AND DIVISION NUMBER</b>	2.1 (Flammable Gas)
<b>UN NUMBER</b>	UN-1075
<b>REQUIRED LABELS</b>	Flammable Gas label on each non-bulk package
<b>PACKING GROUP</b>	Not Listed

## SECTION IV. PHYSICAL/CHEMICAL CHARACTERISTICS

<b>BOILING POINT</b>	11°F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b>	.571
<b>VAPOR PRESSURE @70°F (psig)</b>	30 ± 2	<b>MELTING POINT</b>	-138c
<b>VAPOR DENSITY (air = 1)</b>	1	<b>EVAPORATION RATE (Butyl Acetate = 1)</b>	1
<b>SOLUBILITY IN WATER</b>	Negligible		
<b>APPEARANCE AND ODOR</b>	Clear gas with light ethereal odor		

## SECTION V. FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABLE LIMITS</b>	LEL: 1.4 UEL: 9.5
<b>FLASH POINT (METHOD USED)</b>	-100°F Estimated
<b>EXTINGUISHING MEDIA</b>	Dry chemical, foam, carbon dioxide
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	Use water spray to cool containers. Avoid rocketing containers.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	Containers generate pressure when heated causing violent bursting and dangerous propelling of containers.

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## SECTION VI. REACTIVITY DATA

<b>STABILITY</b>	<b>Stable:</b> Yes <b>Unstable:</b>
<b>CONDITIONS TO AVOID</b>	Not established
<b>INCOMPATIBILITY (Materials to Avoid)</b>	Oxygen and strong oxidizing materials
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS</b>	Carbon oxides formed when burned
<b>HAZARDOUS POLYMERIZATION</b>	May occur: <b>Will not occur:</b> Yes
<b>CONDITIONS TO AVOID</b>	Not established

## SECTION VII. HEALTH HAZARD DATA

<b>ROUTE(S) OF ENTRY</b>	<b>Inhalation?</b> Yes (A)	<b>Skin?</b> Yes (B)	<b>Ingestion?</b> N/A
<b>HEALTH HAZARDS (Acute and Chronic)</b>	(A) Simple asphyxiant, dizziness, disorientation, headache, excitation, central nervous system depression, anesthesia. (B) Liquid contact with exposed skin can cause frostbite.		
<b>CARCINOGENICITY?</b> N/A	<b>NTP?</b> N/A	<b>IARC MONOGRAPHS?</b> N/A	<b>OSHA REGULATED?</b> N/A
<b>SIGNS AND SYMPTOMS OF EXPOSURE</b>	Dizziness, headache, ect.		
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE</b>	None		
<b>EMERGENCY AND FIRST AID PROCEDURES</b>	Remove from exposure. If irritation develops seek medical attention.		

## SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b>	Protect from ignition. Ventilate area thoroughly.
<b>WASTE DISPOSAL METHOD</b>	Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State and Local regulations.
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b>	Store below 120°F. In case of accidental puncturing with forklift, shut off forklift and any other possible source of ignition. Ventilate area.
<b>OTHER PRECAUTIONS</b>	Use with adequate ventilation.

## SECTION IX. CONTROL MEASURES

<b>RESPIRATORY PROTECTION (Specific Type)</b>	N/A
<b>VENTILATION</b>	Adequate
<b>LOCAL EXHAUST</b>	For small enclosed work areas
<b>MECHANICAL (General)</b>	Adequate for storage
<b>PROTECTIVE GLOVES</b>	Not required for normal handling
<b>EYE PROTECTION</b>	Safety Glasses
<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</b>	Not required for normal handling
<b>WORK/HYGIENIC PRATICES</b>	N/A

## SECTION X. NFPA HAZARD CODES – HMIS RATING

HEALTH: 1      FIRE: 4      REACTIVITY: 0