

# 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>	August 5, 2005
	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

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

## SECTION VII. HEALTH HAZARD DATA

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

## SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

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

## SECTION IX. CONTROL MEASURES

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

## SECTION X. NFPA HAZARD CODES – HMIS RATING

HEALTH: 1      FIRE: 4      REACTIVITY: 0