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ITEM: 1BP93 - MICROTORCH BUTANE

ORDER: 0195789160

DROP LOCATION: L8_595

MSDS: A5100

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - A5100

Associated Grainger Items
1BP93, 1MG61, 3KH77, 3W799

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

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.

MANUFACTURER'S NAME: MASTER APPLIANCE CORP.
ADDRESS: 2420 18TH STREET
PO BOX 68
RACINE WI 53401

EMERGENCY TELEPHONE NO.: 1-800-535-5053 (INFOTRAC)
TELEPHONE NO. FOR INFORMATION: 1-262-633-7791

DATE PREPARED: MARCH 6, 2003

SIGNATURE OF PREPARER: (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	800 PPM	
PROPANE (CAS 74-98-6)	1000 PPM	NE	
BUTANE (CAS 106-97-8)	800 PPM	800 PPM	

SECTION III. SHIPPING INFORMATION

PROPER SHIPPING NAME: PETROLEUM GASES, LIQUEFIED
CLASS AND DIVISION NUMBER: 2.1 (FLAMMABLE GAS)
UN NUMBER: UN-1075
REQUIRED LABELS: FLAMMABLE GAS LABEL ON EACH NON-BULK PACKAGE
PACKING GROUP: NOT LISTED

SECTION IV. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 11 DEG. F
SPECIFIC GRAVITY (H2O=1): .571
VAPOR PRESSURE @ 70 DEG. F (PSIG): 30 +/- 2
MELTING POINT: -138 C
EVAPORATION RATE (BUTYL ACETATE=1): 1
VAPOR DENSITY (AIR=1): 1
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND ODOR: CLEAR GAS WITH LIGHT ETHEREAL ODOR

SECTION V. FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE LIMITS:
LEL: 1.4
UEL: 9.5
FLASH POINT (METHOD USED): -100 DEG. F ESTIMATED
EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CARBON DIOXIDE
SPECIAL FIRE FIGHTING PROCEDURES:
USE WATER SPRAY TO COOL CONTAINERS. AVOID ROCKETING CONTAINERS.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
CONTAINERS GENERATE PRESSURE WHEN HEATED CAUSING VIOLENT BURSTING AND
DANGEROUS PROPELLING OF CONTAINERS.

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 ()
WILL NOT OCCUR (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 ASPHYCIANT, 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, ETC.

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 DEG. F. IN CASE OF ACCIDENTAL FUNCTIONING 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 PRACTICES: N/A

SECTION X. NFPA HAZARD CODES-HMIS RATING

HEALTH: 1
FIRE: 4
REACTIVITY: 0

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MARCH 6, 2003