

ITEM: 3X676 - CYLINDER PROPANE FUEL

PICK_REQ: 1103217145

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: A5299

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

MATERIAL SAFETY DATA SHEET - A5299

Associated Grainger Item: 3X676 - CYLINDER PROPANE FUEL

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): PROPANE

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

SUPPLIER'S NAME: BERNZ-O-MATIC

ADDRESS:
NUMBER, STREET, CITY, STATE AND ZIP CODE:
ONE BERNZOMATIC DRIVE
MEDINA, NY 14103

EMERGENCY TELEPHONE NUMBER: 585-798-4949

TELEPHONE NUMBER FOR INFORMATION: 585-798-4949

DATE PREPARED: JANUARY 01, 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)
PROPANE CAS #74-98-6	1000 PPM	1000 PPM	NA	100

NFPA HAZARD RATINGS:

HEALTH - 1
FLAMMABILITY - 4
REACTIVITY - 0

HMIS RATINGS:

HEALTH - 0
FLAMMABILITY - 4
REACTIVITY - 0

NOTE:
WHEN PROPANE FUEL IS BURNED EFFICIENTLY, THE NORMAL BY-PRODUCTS OF COMBUSTION ARE CO₂ AND H₂O.
INEFFICIENT BURNING MAY ADD CO TO THE BY-PRODUCTS OF COMBUSTION.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: -44 DEG. F

SPECIFIC GRAVITY (H₂O=1): LIQUID @ 60 DEG. F .51

VAPOR PRESSURE (MM HG): @ 100 DEG. F 197 PSIG

MELTING POINT: N/A

VAPOR DENSITY (AIR=1): @ 1 ATM @ 60 DEG. F 1.56

EVAPORATION RATE BUTYL ACETATE-1): N/A

SOLUBILITY IN WATER: NOT SOLUBLE

APPEARANCE AND ODOR: COLORLESS - ROTTEN EGG ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): -156 DEG. F CLOSED CUP

FLAMMABLE LIMITS:

LEL: 2.1
UEL: 9.5

EXTINGUISHING MEDIA: STOP FLOW OF GAS OR OXYGEN

SPECIAL FIRE FIGHTING PROCEDURES: USE WATER TO COOL TANKS

UNUSUAL FIRE AND EXPLOSION HAZARDS:
AUTO IGNITION TEMP. 842 DEG. F HEAVIER THAN AIR (VAPOR DENSITY 1.5).
MAY TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASHBACK.

SECTION V - REACTIVITY DATA

REACTIVITY:
UNSTABLE ()
STABLE (X)
CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE

HAZARDOUS POLYMERIZATION:
MAY OCCUR ()
WILL NOT OCCUR (X)
CONDITIONS TO AVOID: N/A

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY:

INHALATION?
YES

SKIN?
YES

INGESTION?
NO

HEALTH HAZARDS (ACUTE AND CHRONIC):
CONTACT WITH LIQUID PROPANE MAY CAUSE FROST BURNS

CARCINOGENICITY:

NTP?
N/A

IARC MONOGRAPHS?
N/A

OSHA REGULATED?
N/A

SIGNS AND SYMPTOMS OF EXPOSURE:
HIGH CONCENTRATIONS MAY CAUSE HEADACHES AND DROWSINESS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EMERGENCY AND FIRST AID PROCEDURES:
REMOVE EXPOSED PERSON FROM CONTAMINATED AREA.

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.

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.

WASTE DISPOSAL METHOD:
VENT GAS TO ATMOSPHERE IN FLAME FREE, SPARK FREE AREA OUTDOORS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
STORE AT TEMPERATURES BELOW 120 DEG. F IN WELL VENTILATED, SPARK FREE, FLAME FREE AREA.

OTHER PRECAUTIONS: NONE

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NOT REQUIRED WITH NORMAL USE.

VENTILATION:
LOCAL EXHAUST: N/A
MECHANICAL (GENERAL): N/A
SPECIAL: N/A
OTHER: N/A

PROTECTIVE GLOVES: NOT REQUIRED

EYE PROTECTION: NOT REQUIRED

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NOT REQUIRED

WORK/HYGIENIC PRACTICES: N/A

SECTION IX - SHIPPING INFORMATION

WHMIS CLASSIFICATION:
A - COMPRESSED GAS & B1-FLAMMABLE GAS

CLASS: 2.1

DOT:
PROPER SHIPPING NAME: PETROLEUM GAS, LIQUEFIED
HAZARD CLASSIFICATION: FLAMMABLE GAS
UN. NO.: 1075