


**Material Safety  
Data Sheets**
**Division of Facilities Services**
**DOD Hazardous Material Information (ANSI Format)  
For Cornell University Convenience Only**
**BUTANE CARTRIDGE**

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**Section 1 - Product and Company Identification  
BUTANE CARTRIDGE**
**Product Identification:** BUTANE CARTRIDGE

**Date of MSDS:** 01/01/1985 **Technical Review Date:** 07/27/1979

**FSC:** 6640 **NIIN:** 00-926-7674

**Submitter:** D DG

**Status Code:** C

**MFN:** 01

**Article:** N

**Kit Part:** N

**Manufacturer's Information**

**Manufacturer's Name:** BOUGHT BY ITEM DESCRIPTION  
**Manufacturer's Address1:**  
**Manufacturer's Address2:** N/P, NK 00000  
**Manufacturer's Country:** US  
**General Information Telephone:**  
**Emergency Telephone:** N/P  
**Emergency Telephone:** N/P  
**MSDS Preparer's Name:** N/P  
**Proprietary:** N  
**Reviewed:** Y  
**Published:** Y  
**CAGE:** 00331  
**Special Project Code:** N

**Item Description**

**Item Name:** CARTRIDGE, LABORATORY GAS BURNER  
**Item Manager:**  
**Specification Number:** MIL-B-37410  
**Type/Grade/Class:** NK  
**Unit of Issue:** EA  
**Unit of Issue Quantity:** 1  
**Type of Container:** TANK

**Contractor Information**

**Contractor's Name:** BOUGHT BY ITEM DESCRIPTION  
**Post Office Box:** 23214  
**Contractor's Address1:** UNKNOWN  
**Contractor's Address2:** UNKNOWN, NK 00000  
**Contractor's Telephone:** UNKNOWN  
**Contractor's CAGE:** 00331

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**Section 2 - Composition/Information on Ingredients**  
**BUTANE CARTRIDGE**

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**Ingredient Name:** BUTANE  
**Ingredient CAS Number:** 106-97-8 **Ingredient CAS Code:** M  
**RTECS Number:** EJ4200000 **RTECS Code:** M  
**=WT:** =WT Code:  
**=Volume:** =Volume Code:  
**>WT:** >WT Code:  
**>Volume:** >Volume Code:  
**<WT:** <WT Code:  
**<Volume:** <Volume Code:  
**% Low WT:** % Low WT Code:  
**% High WT:** % High WT Code:  
**% Low Volume:** % Low Volume Code:  
**% High Volume:** % High Volume Code:

**% Text:** N/P  
**% Environmental Weight:**  
**Other REC Limits:** N/P  
**OSHA PEL:** 800 PPM OSHA PEL Code: M  
**OSHA STEL:** OSHA STEL Code:  
**ACGIH TLV:** 800 PPM; 9192 ACGIH TLV Code: M  
**ACGIH STEL:** N/P ACGIH STEL Code:  
**EPA Reporting Quantity:**  
**DOT Reporting Quantity:**  
**Ozone Depleting Chemical:** N

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**Section 3 - Hazards Identification, Including Emergency Overview**  
**BUTANE CARTRIDGE**

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**Health Hazards Acute & Chronic:** N/P

**Signs & Symptoms of Overexposure:**  
N/P

**Medical Conditions Aggravated by Exposure:**  
N/P

**LD50 LC50 Mixture:** N/P

**Route of Entry Indicators:**

**Inhalation:** N/P

**Skin:** N/P

**Ingestion:** N/P

**Carcinogenicity Indicators**

**NTP:** N/P

**IARC:** N/P

**OSHA:** N/P

**Carcinogenicity Explanation:** N/P

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**Section 4 - First Aid Measures**  
**BUTANE CARTRIDGE**

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**First Aid:**  
N/P

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**Section 5 - Fire Fighting Measures**  
**BUTANE CARTRIDGE**

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**Fire Fighting Procedures:**  
N/P

**Unusual Fire or Explosion Hazard:**  
N/P

**Extinguishing Media:**

N/P

Flash Point: Flash Point Text: N/A

Autoignition Temperature:

Autoignition Temperature Text: N/A

Lower Limit(s):

Upper Limit(s):

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**Section 6 - Accidental Release Measures  
BUTANE CARTRIDGE**

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Spill Release Procedures:

N/P

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**Section 7 - Handling and Storage  
BUTANE CARTRIDGE**

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Handling and Storage Precautions:

Other Precautions:

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**Section 8 - Exposure Controls & Personal Protection  
BUTANE CARTRIDGE**

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Respiratory Protection:

N/P

Ventilation:

N/P

Protective Gloves:

N/P

Eye Protection: N/P

Other Protective Equipment: N/P

Work Hygienic Practices: N/P

Supplemental Health & Safety Information: N/P

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**Section 9 - Physical & Chemical Properties  
BUTANE CARTRIDGE**

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HCC: G2

NRC/State License Number:

Net Property Weight for Ammo:

Boiling Point: Boiling Point Text: N/A

Melting/Freezing Point: Melting/Freezing Text: N/A

Decomposition Point: Decomposition Text: N/A

Vapor Pressure: N/P Vapor Density: N/P

Percent Volatile Organic Content:

Specific Gravity: N/P

Volatile Organic Content Pounds per Gallon:

pH: N/P

Volatile Organic Content Grams per Liter:

Viscosity: N/P  
Evaporation Weight and Reference: N/P  
Solubility in Water: N/P  
Appearance and Odor:  
Percent Volatiles by Volume: N/P  
Corrosion Rate: N/P

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**Section 10 - Stability & Reactivity Data**  
**BUTANE CARTRIDGE**

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Stability Indicator: N/P  
Materials to Avoid:  
N/P  
Stability Condition to Avoid:  
N/P  
Hazardous Decomposition Products:  
N/P  
Hazardous Polymerization Indicator: N/P  
Conditions to Avoid Polymerization:  
N/P

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**Section 11 - Toxicological Information**  
**BUTANE CARTRIDGE**

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Toxicological Information:  
N/P

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**Section 12 - Ecological Information**  
**BUTANE CARTRIDGE**

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Ecological Information:  
N/P

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**Section 13 - Disposal Considerations**  
**BUTANE CARTRIDGE**

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Waste Disposal Methods:  
N/P

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**Section 14 - MSDS Transport Information**  
**BUTANE CARTRIDGE**

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Transport Information:  
N/P

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**Section 15 - Regulatory Information**  
**BUTANE CARTRIDGE**

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SARA Title III Information:  
N/P  
Federal Regulatory Information:  
N/P

**State Regulatory Information:**  
N/P

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**Section 16 - Other Information**  
**BUTANE CARTRIDGE**

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**Other Information:**  
N/P

**HMIS Transportation Information**

**Product Identification:** BUTANE CARTRIDGE  
**Transportation ID Number:** 92474  
**Responsible Party CAGE:** 00331  
**Date MSDS Prepared:** 01/01/1985  
**Date MSDS Reviewed:** 07/27/1979  
**MFN:** 07/27/1979  
**Submitter:** D DG  
**Status Code:** C

**Container Information**

**Unit of Issue:** EA  
**Container Quantity:** 1  
**Type of Container:** TANK  
**Net Unit Weight:** 170GM

**Article without MSDS:** N  
**Technical Entry NOS Shipping Number:**  
**Radioactivity:**  
**Form:**  
**Net Explosive Weight:**  
**Coast Guard Ammunition Code:**  
**Magnetism:** N/P  
**AF MMAC Code:**  
**DOD Exemption Number:**  
**Limited Quantity Indicator:**  
**Multiple Kit Number:** 0  
**Kit Indicator:** N  
**Kit Part Indicator:** N  
**Review Indicator:** Y  
**Additional Data:**

**Department of Transportation Information**

**DOT Proper Shipping Name:** PETROLEUM GASES, LIQUEFIED OR LIQUEFIED PETROLEUM GAS  
**DOT PSN Code:** LLG  
**Symbols:**  
**DOT PSN Modifier:**  
**Hazard Class:** 2.1  
**UN ID Number:** UN1075  
**DOT Packaging Group:**  
**Label:** FLAMMABLE GAS

**Special Provision(s):****Packaging Exception:** 306**Non Bulk Packaging:** 304**Bulk Packaging:** 314,315**Maximum Quantity in Passenger Area:** FORBIDDEN**Maximum Quantity in Cargo Area:** 150 KG**Stow in Vessel Requirements:** E**Requirements Water/Sp/Other:** 40**IMO Detail Information****IMO Proper Shipping Name:** BUTANE**IMO PSN Code:** CNJ**IMO PSN Modifier:****IMDG Page Number:** 2147**UN Number:** 1011**UN Hazard Class:** 2(2.1)**IMO Packaging Group:** -**Subsidiary Risk Label:** -**EMS Number:** 2-07**Medical First Aid Guide Number:** 310**IATA Detail Information****IATA Proper Shipping Name:** PETROLEUM GASES, LIQUEFIED**IATA PSN Code:** TJL**IATA PSN Modifier:****IATA UN Id Number:** 1075**IATA UN Class:** 2.1**Subsidiary Risk Class:****UN Packaging Group:****IATA Label:** FLAMMABLE GAS**Packaging Note for Passengers:** FORB**Maximum Quantity for Passengers:** FORB**Packaging Note for Cargo:** 200**Maximum Quantity for Cargo:** 150KG**Exceptions:** A1**AFI Detail Information****AFI Proper Shipping Name:** PETROLEUM GASES, LIQUEFIED OR LIQUEFIED PETROLIUM GAS**AFI Symbols:****AFI PSN Code:** TJL**AFI PSN Modifier:****AFI UN Id Number:** UN1075**AFI Hazard Class:** 2.1**AFI Packing Group:** N/A**AFI Label:****Special Provisions:** P4**Back Pack Reference:** A6.3, A6.7**HAZCOM Label Information****Product Identification:** BUTANE CARTRIDGE**CAGE:** 00331**Assigned Individual:** Y**Company Name:** BOUGHT BY ITEM DESCRIPTION**Company PO Box:** 23214