

Material Safety Data Sheet
 May be used to comply with COHA'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) Nonrefillable type metal container assembly for butane | BU-6 | 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

| | |
|--|--|
| Manufacturers name Importer : IWATANI CORP. OF AMERICA | Emergency Telephone Number 1-800-424-9300 |
| Address (Number, Street, City, and ZIP code) 2050 CENTER AVENUE, SUITE 425 FORT LEE , NJ 07020 | Telephone Number for Information 1-201-585-2442 |
| | Date Prepared AUG. 05. 2008 |
| | Signature of Preparer (optional) |

Section II - Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity, Common Name(s)) | OSHA PEL | ACGIH TLY | Other Limits Recommended % (optinal) |
|--|----------|-----------|---|
| ETHANE(C2H6) | N/A | N/A | 0.62929 |
| PROPANE(C3H8) | N/A | N/A | 2.68897 |
| N-BUTANE(N-C4H10) | N/A | N/A | 64.00380 |
| ISO-BUTANE(ISO-C4H10) | N/A | N/A | 32.67794 |

SHIPPING INFORMATION :

| |
|---|
| PROPER SHIPPING NAME : LIQUEFIED PETROLEUM GASES |
| HAZARD CLASS : 2.1 |
| UN ID # : UN1075 DOT LABELS: FLAMMABLE GAS DOT PLACARD :FLAMMABLE GAS |

Section III - Physical/Chemical Characteristics

| | | | |
|------------------------|----------|--------------------------------------|-----------|
| Boiling Point | 1.33°C | Specific Gravity (H2O = 1) | 0.582 |
| Vapor Pressure (mm Hg) | 2.1/20°C | Melting Point | -139.28°C |
| Vapor Density (AIR Hg) | 2 | Evaporation Rate (Butyl Acetate = 1) | N/A |

Solubility in Water ; Insoluble

Appearance and Odor ; Colourless with Characteristic odour

Section IV - Fire and Explosion Hazard Data

| | | | | |
|---|------------------|----------|---------|------|
| Flash Point (Method Used) ; UNDER -23°C | Flammable Limits | LEL 1.8% | UEL 8.5 | Fla: |
|---|------------------|----------|---------|------|

Extinguishing Media

Dry chemical powder, foam or carbon dioxide.

Special Fire Fighting Procedures

Move container from areas if it can be done without risk.
 Firefighters should wear proper protective equipment. Keep personnel removed from and up wind of fire.
 Stop flow of gas before attempting to extinguish fire. Gases could form explosive mixture and reignite.
 Evacuate personnel to safe area. Fight fire from maximum distance.
 Use extreme caution, as heat may decompose material and rupture containers.

Unusual Fire and Explosion Hazards

None known

Section V – Reactivity Data

| | | | |
|-----------|----------|-----|---------------------|
| Stability | Unstable | | Conditions to Avoid |
| | Stable | Yes | |

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

| | | | |
|-----------------------------|----------------|-----|---------------------|
| Hazardous Polymerization | May Occur | | Conditions to Avoid |
| | Will Not Occur | Yes | |

Section VI Health Hazard Data

| | | | |
|-------------------|-----------------|-----------|---------------|
| Route(s) of Entry | Inhalation? Yes | Skin? Yes | Ingestion? No |
|-------------------|-----------------|-----------|---------------|

Health Hazards (Acute and Chronic)

None known

| | | | |
|-----------------|------|------------------|-----------------|
| Carcinogenicity | NTP? | IARC Monographs? | OSHA Regulated? |
| None known | No | No | No |

Signs and Symptoms of Exposure

Dizziness, Headache, Laboured breathing, Nausea, Vomitting, Frostbite

Medical Conditions

Generally Aggravated by Exposure

None known

Emergency and First Aid Procedures

Inhalation : Get to fresh air. If unconscious, qualified personnel should administer artificial respiration.

Eyes : In case of contact with eyes, rinse immediately with plenty of water for at least 15~20 minutes and seek medical advice.

Skin : Wash thoroughly with soap and water.

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Container is not refillable.

Waste Disposal Method

Do not puncture throw into fire or incinerate even When empty.

Depose of empty full container a safe place.

Precautions to Be Taken in Handling and Storing

Keep out of reach of children. Do not expose to heat or store at temperature above 110°F.

Keep contents at temperature above 32° F/0°C before using. Detach container when not in use.

Do not place a hot place or pan over cartridge compartment cover of portable gas cooker.

Other Precautions

N/A

Section VII – Control Measures

Respiratory Protection (Specify Type)

Not usually necessary. Use with adequate ventilation

| | | |
|-------------|----------------------------|---------------|
| Ventilation | Local Exhaust ; Yes | Special ; N/A |
| | Mechanical (General) ; N/A | Other ; N/A |

| | |
|-------------------------|----------------------|
| Protective Gloves ; N/A | Eye Protection ; N/A |
|-------------------------|----------------------|

Other Protective Clothing or Equipment ; N/A

Work/Hygienic Practices

Normal. Wash hands after use.