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.

IDENTITY (as Used on Label and List)
Butane Fuel (BU-6) for Cassette Feu Iwatani

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
Importer: Iwatani International Corp. of America
Emergency Telephone Number
1-800-424-9300
Address (Number, Street, City, State and ZIP Code)
385 Ness Ave. Suite 110
Torrance, Ca 90501
Telephone Number for Information
1-800-331-4627
Date Prepared: 03/25/2004
Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information
Hazardous Components (Specific Chemical Identity, Common Name(s))
N-Butane (N-C4H10)
ISO-Butane (ISO-C4H10)

Section III—Physical/Chemical Characteristics
Boiling Point: 23.10
Specific Gravity (H₂O = 1) 0.574 (WHEN Temp.20C, 1 ATM Propane 1.95%)
Vapor Pressure: (mm Hg) 3.3Kg / Cm2 (35°C, 1 ATM)
Melting Point
Vapor Density (AIR = 1): 1.975 [(1.51x0.05) + (2.0x0.95)]
Evaporation Rate (Butyl Acetate = 1)=N/A
Solubility in Water: Negligible
Appearance and Odor: Liquid under pressure. Clear gas with characteristic odor

Section IV—Fire and Explosion Hazard Data
Flash Point (Method Used): 450°C
Auto–Ignition Temperature
Extinguishing Media: Power or CO2 Extinguisher, Dry Chemical, or water spray
Special Fire Fighting Procedures: Use water spray to cool containers.

Unusual Fire and Explosion Hazards: Exposure to temperatures over 120°F may cause cans to burst. Reports have been made of ignition from pilot lights, heaters, etcetera after vapors have been moved by ventilating fans. Exploding canister may travel great distances spewing burning materials.

OSHA 174 Sept. 1985
**Section V—Reactivity Data**

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid: None Known</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>X</td>
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</tbody>
</table>

Incompatibility (Materials to Avoid): Oxygen, strong oxidizers, heat and ignition sources.

Hazardous Decomposition or Byproducts: Oxides of carbon when burned. Air tight space avoid

<table>
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<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid: None Known</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td>X</td>
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**Section VI—Health Hazard Data**

**Route(s) of Entry**

- Inhalation, skin contact.

**Health Hazards (Acute and Chronic):** Vapors irritate eyes. Breathing may be mildly anesthetic, narcotic effects may be seen in the 5000-10000 ppm range. Progressively higher levels can cause dizziness, unconsciousness and death. Excessive contact with skin may cause freeze burns.

**Sign and Symptoms of Exposure:** Inhalation may cause dizziness, headaches, and at high levels unconsciousness or death.

**Medical Conditions Generally Aggravated by Exposure:** None

**Emergency and First Aid Procedures:** Inhalation: Remove to fresh air. If not breathing perform mouth to mouth resuscitation. If breathing is difficult give oxygen. Call a physician as excessive exposure may cause irritation to the upper respiratory system.

**Section VII—Precautions for Safe Handling and Use**

**Precautions to be Taken in Handling and Storing:** Store below 120°F. Avoid direct sources of heat and ignition. Ventilate area thoroughly. Consult local fire marshall and insurance representative for specific storage requirements in your area.

**Other Precautions:** Do not use deformed or damaged cans. Keep out of reach of children. Use with adequate ventilation.

**Steps to be Taken in Case Material is Released or Spilled:** Extinguish sources of ignition, Ventilate area to remove propellant vapors. Be cautious of low lying areas where vapors will accumulate. Do not enter areas without protective equipment.

**Waste Disposal Method:** Do not puncture or incinerate without the proper equipment as explosions are likely to occur with disastrous effects. In all instances dispose in accordance with federal, state and local guidelines.

**Section VII—Control Measures**

**Respiratory Protection (Specify Type):** If using in areas where the TLV is likely to be exceeded, use a NIOSH/MSA approved respirator.

**Ventilation:**
- Local Exhaust: For small enclosed work areas.
- Mechanical (General): Adequate for storage
- Special: None
- Other: None

**Protective Gloves:** None required with normal usage

**Eye Protection:** None required with normal usage.

**Other Protective Equipment:** None required with normal use.

*The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.*