

# Safety Data Sheet

## Butane gas

### Section 1 Chemical product and company identification

Product name: butane gas

Other name:

**Application:** For fuel, aerating agent and aerosol,

**Manufacturer:** Linyi Yiqun Packaging Co.,Ltd

**Address**Xuyou Road, Economic Development Zone, Feixian,Linyi , Shandong,China

**Telephone:** 86-0539-8022198

**Emergency telephone and fax:** 86-0539-5691920

### Section 2 Hazards Identification

**Hazard class:** aerosol type 1, high pressured gas

**Global system of unified label elements:**



**Signal word: Danger**

**Risk categories:** Aerosol category 1, flammable pressure gas

**Prevention:** keep away from heat, spark, hot surface; no smoking; Do not spray on naked flame or other ignition source; Pressure vessels: do not punch or burned, even if no longer use. Operating after getting the special guidance or know the safety measures.

**Emergency:** Feeling unwell, seek medical treatment.

**Storage:** keep away from sunlight, and do not expose to more than 50°C temperature; lock up.

**Handling:** dispose of in accordance with the relevant local regulations.

Does not lead to classification of other dangers (such as dust explosion risk) or not for the global unified system covering other dangers:

### Section 3 Composition

Chemical name	CAS No.	proportion %
Butane gas	106-97-8	95%
Others		5%

#### **Section 4 First aid measures**

Necessary first aid measures:

Feel unwell, medical treatment

Skin contact: use soap and water to wash; seek medical treatment if skin irritation occurs; take off and wash clothes of contact occurs. If the frostbite: keep of soaking in double temperature in 38 to 42 °C warm water. Don't rub. Do not use hot water or radiant heat. Using clean, dry dressings bandage

When necessary, indicate the immediately seek medical attention and special treatment needed.

#### **Section 5 Fireproofing protection**

Applicable and inapplicable fire extinguishing agent: water cooling containers, possibly will be the vessels to an open area. Applicable fire extinguishing agent: foam, dry powder, CO<sub>2</sub>

Specific risk: flammable, react with antioxidants. Its vapor is heavier than air and can spread to far places, meet fire can cause burning back.

Firefighter's special protective behavior: firefighters must be wearing a gas mask, wear a whole body fire suit.

#### **Section 6 Accidental release measures**

Personal precautions measures: Isolation leakage pollution area, restricted movement. Cut off the fire. Evacuation leakage pollution area personnel to safe areas, no irrelevant personnel to enter pollution area, cut off the fire source. Recommended emergency response personnel wear self-contained breathing apparatus, wear chemical protective clothing. Don't direct contact with the leakage, plugging in ensuring safety situation.

Inhibition and clean up materials and methods:

Use sand or other non-combustible adsorbent to mix absorption, and then collected and transported to the waste disposal sites. OR sprinkle soda ash on the ground, rinse with plenty of water, put the diluted washing water into the wastewater system. Harmless waste treatment.

#### **Section 7 Handling and storage**

Safety precautions: keep away from heat, spark, hot surface; no smoking; Do not spray on naked flame or other ignition source; Pressure vessels: do not punch or burned, even if no longer use. Operating after getting the special guidance or know the safety measures.

Safe storage conditions, including any incompatibility: Keep locked up. Keep away from the children. Avoid sunshine. Not be exposed to more than 50 degrees. Keep Away from fire, heat source, heat surface. Keep the container sealed. Should be kept separate from the oxidant, alkali, avoid mixing reservoir. Equipped with the appropriate variety and quantity of fire equipment. Storage areas should be equipped with emergency treatment equipment and suitable for material and firefighting equipment.

### **Section 8 Personal protection**

MAC control parameters: maximum allowable concentration: China has not set standards; The former Soviet union did not set standards; TLVTN: no standards; ACGIH no standards; TLVWN: no standards.

Engineering control: after given specific guidance, or know all security measures after operation

.Personal Protection (for workers):

.Eye protection: Wear goggles

.Skin Protection: Wear appropriate protective gloves to prevent skin exposure.

.Respiratory protection: generally don't need special protection, avoid direct inhalation

### **Section 9 Physical and chemical properties**

Appearance	Liquid in the container, colorless gas after spray
Odor	Slight unpleasant odor
Odor threshold	/
PH	/
Melting point/Melting range:	-138.4°C
Boiling point/Boiling range:	-0.5°C
Flash point	-60°C
Melting point/Melting range	flammable
Flammability	
Flammable/Explosive	1.5-8.5VOL%/
Limits-Lower--up Vol %:	/
Vapor pressure	/
relative vapor density	/
	Soluble in water

Relative density (20°C): /  
Solubility in/Miscibility with water /  
Partition coefficient /  
Ignition temperature /  
Decomposition temperature  
Viscosity

### **Section 10 Stability and reactivity**

Reactivity: /  
Chemical Stability: /  
Hazardous polymerizations:/  
Condition to Avoid: Open flame, spark and high temperatures.  
Incompatible materials and materials: strong oxidizer, strong alkali, active metal powder, food chemicals, flammable combustion, etc.  
Hazardous Decomposition Products:CO, CO2

### **Section 11 Toxicological information**

Ingestion: /  
Contact with Eyes: **May cause eye irritation**  
Contact with Skin: **May cause slight skin irritation**  
Inhalation:/  
Effects of Overexposure - Chronic: /

### **Section 12 Ecological information**

Ecological toxicity: May cause poison towards aquatic life  
Lowering endurance and solution properties:  
Bioaccumulation:  
Mobility in soils:/  
Other adverse effects:/

### **Section 13 Disposal consideration**

Disposal method:  
Pressured vessel: do not perforate or burn the container, even if no longer in use. The empty container may be still have harmful or dangerous chemicals. Keep a warning label and SDS where possible, to comply with any of the product. Disposal of the former refers to the national and local relevant regulations.

### **Section 14 Transportation information**

UN No.:2037

UN Proper Shipping Name:RECEPTACLES, SMALL, CONTAINING  
GAS,RECEPTACLES,FLAMMABLE

Danger class:2.1

Packing group: II

Ocean pollution: No

User's special precautions : /

### **Section 15 Regulatory information**

Aerosol insecticide in the following rules: China's current list of chemicals and hazardous chemicals list, workplace harmful factors to the occupational exposure limit, commonly used the classification of dangerous chemicals and logo.

The chemical safety technical specifications in accordance with the following related national standards:GB16483-2008 , GB13690-2009 , GB6944-2005 , GB/T15098-2008, GB18218-2009, GB15258-2009, GB6944-2005, GB190-2009, GB191-2009, GB12268-2008, GA57-1993, GB/T 15098-2008, GBZ 2-2007and other regulations:

The dangerous goods transport management rules ", "hazardous chemical materials safety management regulation", the United Nations "proposal about dangerous goods" (hereinafter referred to as the UN RTDG)

### **Section 16 Other information**

Reference           The United Nations' sample proposal about dangerous goods. Regulations"  
The United Nations "global chemicals unified system of classification and labelling

Date                   01/08/2017