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SAFETY DATA SHEET

Product Name: BBQ Lighter, Gas lighter, Kitchen gas lighter

Revision Date: 2018-11-16

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Shanghai Research Institute of Chemical Industry Testing Co., Ltd.



Yuyao Yangling Electronic Appliances Co., Ltd

SAFETY DATA SHEET

BBQ Lighter, Gas lighter, Kitchen gas lighter

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: BBQ Lighter, Gas lighter, Kitchen gas lighter
Company: Yuyao Yangling Electronic Appliances Co., Ltd
Address: Longwangtang Village, Langxia Street, Yuyao City, Zhejiang, 315482,
P. R. China
Email: Lindsay@yanglinglighter.com
Fax: +86-574-62230829
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SDS Number: 2618100104
SDS Date: 2018-11-16

SECTION2 HAZARDS IDENTIFICATION

GHS Classification of gas contained in the lighter::

Physical Hazards:

Flammable gases (Category 1)
Gases under pressure (Liquified gas)

Health Hazards:

Specific target organ toxicity - single exposure (Category 2) (heart)
Specific target organ toxicity - single exposure (Category 3) (narcotic effects)

Environmental Hazards:

Not classified

The hazards not mentioned are not applicable or no data available.

Label elements:

Pictogram:

**Signal Word:**

Danger

Hazard Statements:

Extremely flammable gas.

Contains gas under pressure; may explode if heated.

Gas contained in the lighter may cause damage to organs: heart.

Gas contained in the lighter may cause drowsiness or dizziness.

Prevention Precautionary Statements:

Keep away from heat, sparks, open flames, hot surfaces and other ignition sources. No smoking.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Response Precautionary Statements:

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

Eliminate all ignition sources if safe to do so.

IF exposed or concerned: Call a POISON CENTER/doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

Storage Precautionary Statements:

Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal Precautionary Statements:

Dispose of contents/container in accordance with local / regional / national / international regulation.

SECTION3 INFORMATION ON INGREDIENTS**Product name:** BBQ Lighter, Gas lighter, Kitchen gas lighter

Ingredient	Concentration	CAS No.	EC No.
Gas contained in the lighter: mixture			
Propane	16.4%	74-98-6	200-827-9
Isobutane	21.08%	75-28-5	200-857-2
N-Butane	61.4%	106-97-8	203-448-7

SECTION4 FIRST-AID MEASURES**Skin Exposure:**

If frostbite occurs: Soak the affected area in warm water. Do not rub. Bind up the affected area using a clean, dry dressing. Consult a physician.

Eye Exposure:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If feel unwell, call a physician.

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Oral Exposure:

If victim is conscious, wash mouth out with water. Get medical aid immediately.

Most important symptoms and effects, both acute and delayed:

No data available.

Indication of any immediate medical attention and special treatment needed:

No data available.

SECTION5 FIRE FIGHTING MEASURES**Extinguishing Media:**

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.

Special hazards arising from the substance or mixture:

Take care as it may decompose upon combustion or in high temperatures to generate carbon oxides.

Specific Extinguishing Methods and Special Protective Equipment for Fire-fighters:

Cut off the gas flow if possible. Cool all affected containers with flooding quantities of water. Apply water from as far a distance as possible. Move cylinder away from fire if there is no risk. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION6 ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not let the spilled materials in contact with combustible materials. Use water spray to reduce vapors or divert vapor cloud drift. Isolate area until gas has dispersed.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Clean up promptly by sweeping or vacuum.

SECTION7 HANDLING AND STORAGE**Handling:**

Handling is performed in a well ventilated place. Wear anti-electrostatic clothing and chemical safety gloves. Keep away from ignition sources, heat and flame. Use explosion-proof ventilation system and equipment. Prevent gas leaking into the air of workplace. Ground/Bond container and receiving equipment. Take precautionary measures against static discharge. Incompatibilities: strong oxidizing agents, combustible materials. No smoking at working site.

Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, and flame. Keep away from sources of ignition and direct sunlight. Storage temperature should not exceed 30 °C. Incompatibilities: strong oxidizing agents, combustible materials.

SECTION8 EXPOSURE CONTROL/PPE

Control parameters:

No data available.

Appropriate engineering controls:

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:

Respiratory: Not required for normal use. For excessive gas concentrations use government approved respirator.

Eye: Chemical safety goggles.

Clothing: Clothing: Wear anti-electrostatic clothing.

Hand: Compatible chemical-resistant gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance: Yellow and black plastic cement and metal shell (containing flammable gas)

Odor: Weak odor

SECTION10 STABILITY AND REACTIVITY

Reactivity:

No data available.

Chemical stability:

Stable under normal temperatures and pressures.

Possibility of hazardous reactions:

No data available.

Conditions to avoid:

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Carbon oxides.

SECTION11 TOXICOLOGICAL INFORMATION

Gas contained in the lighter:

Acute toxicity:

Butane: Rat Inhalation LC₅₀: 658000mg/m³/4H

Isobutane : Rat Inhalation LC₅₀: 57pph/15M

Skin corrosion/irritation:

No data available.

Serious eye damage/irritation:

No data available.

Respiratory or skin sensitization:

No data available.

Germ cell mutagenicity:

No data available.

Carcinogenicity:

No data available.

Reproductive toxicity:

No data available.

Specific target organ toxicity - single exposure:

May cause damage to organs: heart.

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure:

No data available.

Aspiration hazard:

No data available.

SECTION12 ECOLOGICAL INFORMATION**Gas contained in the lighter:****Toxicity:**

No data available.

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

Results of PBT and vPvB assessment:

No data available.

Other adverse effects:

No data available.

SECTION13 DISPOSAL CONSIDERATION**Appropriate Method of Disposal of Substance:**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION14 TRANSPORT INFORMATION**IATA:**

Proper Shipping Name: Lighters, containing flammable gas

UN Number: UN1057

Class: 2.1

Hazard Label(s): Flammable gas

IMO:

Proper Shipping Name: Lighters, containing flammable gas

UN Number: UN1057 Class: 2.1

Hazard Label(s): Flammable gas

EmS No.: F-D, S-U

SECTION15 REGULATORY INFORMATION

Regulation(EC) No 1272/2008 and amendments:

Gas contained in the lighter:

Flammable gases (Category 1)

Gases under pressure (Liquified gas)

Specific target organ toxicity - single exposure (Category 2) (heart)

Specific target organ toxicity - single exposure (Category 3) (narcotic effects)

SECTION16 OTHER INFORMATION

Date:

2018-11-16

Department:

Shanghai Research Institute of Chemical Industry Testing Co., Ltd.

Tel (Fax): +86-21-52815377/31765555

Revision:

0

Reference Standard:

ISO 11014:2009 《Safety data sheet for chemical products - Content and order of sections》

Other Information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

