

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by Regulation (EU) 2020/878,

BBQ LIGHTER, GAS LIGHTER, KITCHEN GAS LIGHTER

Version 1.0

Issue date: 21-03-2023

Revision date: 03-04-2023

SDS Record Number: CSSS-TCO-010-154654

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: BBQ LIGHTER, GAS LIGHTER, KITCHEN GAS LIGHTER

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses:

LIGHTER FOR IGNITION.

1.2.2 Uses advised against:

All uses not indicated in the identified uses

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative):

-

Supplier(Manufacturer):

YUYAO YANGLING ELECTRONIC APPLIANCES CO.,LTD

Address:

LONGWANGTANG VILLAGE, LANGXIA STREET,YUYAO CITY, ZHEJIANG,
CHINA

Contact person(E-mail):

lindsay@yanglinglighter.com

Telephone:

+86-574-62230829

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+86-574-62230727

1.4 Emergency telephone Number:

+86-13884477767 Only available during office hours (9:00a.m.-17:30p.m.)

Available outside office hours?

YES

☐

NO

☒ X

Section 2 Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification of the mixture:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Flam. Gas 1A	H220
Liquefied gas	H280

For full text of H- phrases: see section 2.2.

2.2 Label elements:

Hazard pictogram(s):



Signal word:

Danger

Hazard statement(s):

H220: Extremely flammable gas.

H280: Contains gas under pressure; may explode if heated.

Precautionary statement(s):

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P377: Leaking gas fire: DO not extinguish, unless leak can be stopped safely.

P381: In case of leakage, eliminate all ignition sources.

P403: Store in a well-ventilated place.

P410 + P403: Protect from sunlight. Store in a well-ventilated place.

Supplemental Hazard information (EU)

Not applicable.

2.3 Other hazards:

The mixture does not contain PBT/vPvB substance.

The mixture does not contain endocrine disruptor.

Section 3 Composition/information on ingredients

3.2 Mixtures:

Ingredient(s):

Chemical Name	Registration No.	CAS No.	Index Number	EC No.	%	Classification	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
N-Butane	N/A	106-97-8	601-004-01-8	203-448-7	50-60%	H220 Flam. Gas 1A H280 Liquefied gas	N/A
Isobutane	N/A	75-28-5	601-004-01-8	200-857-2	20-30%	H220 Flam. Gas 1A H280 Liquefied gas	N/A
Propane	N/A	74-98-6	601-003-00-5	200-827-9	10-20%	H220 Flam. Gas 1A H280 Liquefied gas	N/A

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Move victims into fresh air. Place person on side in stable position if unconscious. In case of difficulties in breathing, supply oxygen. Employ artificial respiration if breathing ceases. Consult a physician immediately.

4.1.2 In case of skin contact:

In the event of frostbite, rinse copiously with water. Do not remove clothing that adheres due to freezing. Cover with sterile dressing and seek medical advice.

4.1.3 In case of eyes contact:

Flush affected eye immediately with water at ambient temperature. Do not force eyelids open. Consult an ophthalmologist.

4.1.4 In case of ingestion:

Ingestion by swallowing is not considered a possible mode of exposure.

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Use CO2, chemical powder or foam to extinguish

Unsuitable extinguishing media:

Water with full jet.

5.2 Special hazards arising from the

In case of fire, formation of flammable or explosive vapour/air mixtures possible.

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substance or mixture

5.3 Advice for firefighters:

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Wear chemical resistant oversuit. Cool containers / tanks with water spray.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Wear personal protective equipment; see section 8. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Ensure adequate ventilation. Ensure good room ventilation at floor level too.

6.1.2 For emergency responders:

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area. Wear suitable protective clothing.

6.2 Environmental precautions:

Do not allow entrance in sewage water, drainage systems, stretches of water, soil. Avoid penetration into drainage system or in rooms situated at a lower level because of danger of explosion.

6.3 Methods and material for containment and cleaning up:

Taking special safety precautions. Confine and allow to evaporate.

6.4 Reference to other sections:

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Wear personal protective equipment; see section 8. Avoid contact with skin and eyes. Provide good ventilation or extraction. Ensure good room ventilation at floor level too. Observe special instructions applicable to compressed gases. Take precautionary measures against static charges, keep away from sources of ignition. Explosion protection equipment required.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in original container. Keep in a well-ventilated place. Keep in a dry place. Keep in properly labelled containers. Keep container closed. Keep away from incompatible products.

7.3 Specific end use(s):

Refer to uses identified in section 1.2

Section 8 Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Country	Substance	EC No.	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		
				ppm	mg/m ³	ppm	mg/m ³	Note
Ireland	iso-Butane	200-857-2	75-28-5	-	-	1000	-	-
Ireland	n-Butane	203-448-7	106-97-8	-	-	1000	-	-
Germany (AGS)	Propane	200-827-9	74-98-6	1000	1800	4000	7200	-

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:	Ensure adequate ventilation. Apply technical measures to comply with the occupational exposure limits.
8.2.2 Individual protection measures, such as personal protective equipment:	
Eye/face protection:	Chemical resistant goggles must be worn.
Skin protection	
Hand protection:	Wear protective gloves.
Body protection:	Chemical resistant apron.
Respiratory protection:	Use respiratory protective equipment.
Thermal hazards:	Wear suitable protective clothing to prevent heat.
8.2.3 Environmental exposure controls:	Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquefied gas
Colour:	Colorless
Odour:	Characteristic
Melting point/freezing point:	-187~138°C
Initial boiling point:	Not available, not relevant for the characterization of the product
Flammability:	Extremely flammable gas
Lower explosive limit:	Not applicable
Upper explosive limit:	Not applicable
Flash point:	-80~-60°C
Auto-ignition temperature:	426~537
Decomposition temperature:	Not available, not relevant for the characterization of the product
pH:	Not applicable
Kinematic viscosity:	Not applicable
Solubility:	Slightly soluble in water; soluble in alcohol and eter
Partition coefficient: n-octanol/water:	Not applicable
Vapour pressure:	~2 bar
Density and/or relative density:	0.54
Relative vapour density:	1.5~2.0
Particle characteristics:	Not applicable

9.2. Other information:

9.2.1 Information with regard to physical hazard classes

Not available

9.2.2 Other safety characteristics:

Not available

Section 10 Stability and Reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. Keep away from direct sunlight. To avoid thermal decomposition, do not overheat.

10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Carbon monoxide, carbon dioxide (CO ₂).

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:	
ATE_{mix}(oral):	Not available
ATE_{mix}(inhalation):	Not available
ATE_{mix}(Dermal):	Not available
LD50(Oral, Rat):	Not available
LC50(Inhalation, Rat):	Not available
LD50(Dermal, Rabbit):	Not available
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

11.2 Information on other hazards

Endocrine disrupting properties	The mixture does not contain endocrine disruptor.
Other information	Not applicable

Section 12 Ecological information

12.1 Toxicity:

N-Butane (CAS: 106-97-8)

Acute (short-term) toxicity:

LC50(96h, Fish):	49.9 mg/L
LC50(48h, Crustacea):	69.43 mg/L
EC50(72h, Algae/aquatic plants):	Not available
Chronic (long-term) toxicity:	
NOEC(Fish):	Not available
NOEC(Crustacea):	Not available
EC50(Algae/aquatic plants):	Not available

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: The mixture does not contain PBT / vPvB substance.

12.6 Endocrine disrupting properties: The mixture does not contain endocrine disruptor.

12.7 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: Dispose of in accordance with all applicable local and national regulations. Use

recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

Section 14 Transport Information				
	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number or ID number	UN1057	UN1057	UN1057	UN1057
14.2 UN proper shipping name	LIGHTERS	LIGHTERS	LIGHTERS	LIGHTERS
14.3 Transport hazard class(es)	Class: 2 Label: 2.1	Class: 2 Label: 2.1	Class: 2 Label: 2.1	Class: 2 Label: 2.1
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions for user	None	None	None	None
14.7 Maritime transport in bulk according to IMO instruments	Not applicable	Not applicable	Not applicable	Not applicable

Section 15 Regulatory information	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:	
Relevant information regarding authorization:	Not applicable.
Relevant information regarding restriction:	Not applicable.
Other EU regulations:	Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
Other National regulations:	Not applicable
15.2 Chemical Safety Assessment	YES ☐ NO ☒

Section 16 Other information	
16.1 Indication of changes:	
Version 1.0 Amended by (EU) 2020/878	
16.2 Abbreviations and acronyms:	
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road	
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail	
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
IMDG: Code international maritime dangerous goods code	
ICAO: International Civil Aviation Organization	
IATA: International Air Transport Association	
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Version #: 1.0	Issue date: 21-03-2023. Revision date: 03-04-2023.
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UFI: Unique Formula Identifier

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

H220: Extremely flammable gas.

H280: Contains gas under pressure; may explode if heated.

16.6 Training instructions:

Not applicable.

16.7 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.8 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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