



MATERIAL SAFETY DATA SHEET



HEALTH	0
FLAMMABILITY	4
REACTIVITY	3
PERSONAL PROTECTION	E

67315-04005

1. Product and Company Identification

Product:	Utility Lighter (J-20A, J-20W, J-20F, J-20144, J-2072, J-26, F-20, F-20B, F-20W, F-20F, F-20120, F-61)
Version #:	Version #1
Date:	April 27, 2015
CAS #:	Non-Applicable
Product Use:	Flame-producing device mostly used to ignite chimney fires, barbecues, candles and gas stoves
Manufacturer/Supplier:	
Company Name:	Fayco Industries, Inc.
Company Address:	3 Atlantic Street Plainsboro, NJ 08536
Telephone Number:	732-572-0243
Contact Person:	Steven Pan

Trade Mark: HandiFlame, MaxLight

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable gases (Category 1), H220: Extremely flammable gas

Gases under pressure (Liquefied gas), H280: Contains gas under pressure; may explode if heated.
May displace oxygen and cause rapid suffocation.

Simple Asphyxiant

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H220

Extremely flammable gas.

H280

Contains gas under pressure; may explode if heated.
May displace oxygen and cause rapid suffocation.

Precautionary statement(s)

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P377

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

P381

Eliminate all ignition sources if safe to do so.

P410 + P403

Protect from sunlight. Store in a well-ventilated place.

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2. Hazards Identification (Cont.)

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

Note: Misuse may cause serious injury
 Read safety instructions on packaging before use:
 "Keep out of reach of children"
 "Ignite the lighter away from face and clothing"
 "Lighter contains flammable butane gas under pressure"
 "Do not use near fire or flame"
 "Do not incinerate or expose to temperatures above 120°F/49°C"
 "After use, return safety switch to "OFF" position. Store in a safe place."
 Each individual lighter conforms to ISO22702 approval.
 This list of information is not exhaustive

Further Hazards: intense accidental overheating (for example in case of fire) may create rupture of its reservoir and, in certain conditions, may lead to the ignition of the gas
 Risk of rupture of individual lighters when submitted to abnormal impact

Classification of the Product: According to EC regulations, this product is not classified as a "hazardous preparation"

3. Composition / Information on Ingredients:

Article: Flammable gas lighter
 Thermoplastic casing with liquefied hydrocarbon fuel mixture

Components contributing to the Hazard: Liquefied hydrocarbons
 Isobutanae: 21.08% (CAS #75-28-5)
 Butane: 61.4% (CAS #106-97-8)
 Propane: 16.4% (CAS #74-98-6)



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4. First Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.



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6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Clean up promptly by sweeping or vacuum.

6.4 Reference to other sections

For disposal see section 13.

7. Handling And Storage

7.1 Precautions for safe handling

Avoid inhalation of vapour or mist.

Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Contents under pressure.

Storage class (TRGS 510): Gases

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated



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8. Exposure Controls / Personal Protection

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

8. Exposure Controls / Personal Protection (Cont.)

Body Protection

Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

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



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9. Physical & Chemical Properties

Physical state:	Liquefied gas
Colour:	colourless
Odour:	hydrocarbons
pH:	Not applicable
Specific temperatures:	
-Melting:	- PS: 100 °C
-Boiling:	Isobutane mixture: - 19 °C
Flammability characteristics:	
-Flash point:	Isobutane mixture: - 89 °C
Explosion properties: Explosive limits in air:	Isobutane mixture:
-Lower:	1.8% (volume)
-Upper:	9.6 % (volume).
Vapour pressure:	Isobutane mixture: 3.4 bar at 21 °C
Vapour density (air = 1):	Isobutane mixture: 1.8884 (15.5 °C)
Relative density (water = 1):	Isobutane mixture: 0.5626 (15.5 °C)
Solubility:	
-in water:	Isobutane mixture: very slightly soluble
Polymers:	insoluble
Evaporation rate:	Isobutane mixture: immediate

10. Chemical Stability & Reactivity Information

Stability:	Stable at ambient temperature and under normal conditions of use
Hazardous reactions:	
-Conditions to avoid:	May explode or Ignite: - on contact with hot surfaces or flames -above 50°C
-Materials to avoid:	(Isobutane mixture) Reacts violently with: -strong oxidizing agents
-Hazardous decomposition products:	On combustion or on thermal decomposition (pyrolysis) releases : toxic fumes (H ₂ CO, NH ₃ , HCN...)



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11. Toxicological Information

Acute toxicity :	Isobutane : No health effects were seen in humans exposed at 1000 ppm for up to 8 hours Can have central nervous system and asphyxiant effects at high concentrations (well above the lower explosion limit in air, 18000 ppm) (published data)
Local effects:	Isobutane mixture The gas is not irritating to the skin and to the eyes Rapid evaporation of the liquid may cause frostbite. Irreversible damage may result in severe cases
Chronic/long term toxicity:	Isobutane: No adverse effects have been reported from repeated or prolonged exposure
Specific effects: -Mutagenicity:	Isobutane: inactive during in vitro genotoxicity tests (published data)

12. Ecological Information

MOBILITY :	
Destination of the product :	Isobutane mixture : Air : 100 %
BIOACCUMULATION:	
Octanol/water partition coefficient :	Isobutane : 2.7 Not potentially bioaccumulable

13. Disposal Considerations

WASTE FROM PRODUCT :	
Destruction/Disposal : NOTE :	Conform to current legislation, regulations and orders The user's attention is drawn to the possible existence of national or local regulations regarding disposal



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14. Transport Information

INTERNATIONAL REGULATIONS :

Land transportation : - Rail/road
(RID/ADR) :

UN number : 1057

Class : 2.1

Packing group :-

Labelling : 2.1

Hazard identification number : none

Sea (IMO/IMDG) :

UN number : 1057

Class : 2.1

Labelling : 2

Air (ICAO-IATA) :

UN number : 1057

Class : 2.1

Labelling : FLAMMABLE GAS

Cargo aircraft :

Packing instruction : 201

Quantity : 15 kg

Passenger aircraft :

Packing instruction : 201

Quantity : 1 kg

15. Regulatory Information

EC LABELLING : NOTE :

Mandatory labelling (self-classification) of hazardous preparations : not applicable

The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the SDS

The cited basic community texts are being updated and transcribed in national law

HMIS Rating

Health hazard: 0

Chronic Health Hazard:

Flammability: 4

Physical Hazard 3

NFPA Rating

Health hazard: 0

Fire Hazard: 4

Reactivity Hazard: 0

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16. Other Information

This sheet completes the technical sheets but it does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith.

The attention of the user is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The mandatory regulations mentioned are only intended to help the user to fulfil his obligations regarding the use of hazardous products.

Note: *the supplying of a material safety data sheet is not mandatory for manufactured articles which contain dangerous substances or preparations, when these letters are packaged so that they do not present any danger for the user.*

Date: April, 2015
Safety data sheet established by: Modern Testing Services, LLC