

MSDS - GAS LIGHTERS (IMO 2.1, UNNO 1057)

SAFETY DATA SHEET FOR CIGARETTE LIGHTERS WITH HYDROCARBON GAS

(Based on ISO 11014-1)

LIGHTERS

VIET GIAI THANH CO., LTD

LATEST REVISION DATE: JAN 10, 2022

PAGE 1/4

SECTION 1:

PRODUCT AND COMPANY IDENTIFICATION :

PRODUCT NAME:

Lighter (IMO 2.1 UN 1057)

NAME OF THE SUPPLIER:

VIET GIAI THANH CO., LTD

ADDRESS OF THE SUPPLIER:

8A AN DUONG VUONG RD, WARD 16, DIST 8, HOCHIMINH CITY

TELEPHONE NUMBER:

84 8 39801587

SECTION 2:

COMPOSITION / INFORMATION ON INGREDIENTS :

Lighters contain a liquefied petroleum gas (LPG)

Ingredient	Concentration	CAS Number
BUTANE	74.778	106-99-0
PROPANE	25.220	74-98-6
ETHYL MERCAPTAN	0.002	75-08-1

SECTION 3:

HAZARD IDENTIFICATION :

CAS numbers for the substances listed above are as follows: Petroleum gases, liquefied

The lighter may burst individually when exposed to high temperatures such as open flame.

The gas causes drowsiness and is an asphyxiant when exposed to in large quantities; however, lighters are not a health hazard.

Lighters do not present a health hazard

Risk of explosion of individual lighter when submitted to unforeseeable abnormal shock, unforeseeable abnormal friction.

SECTION 4:

FIRST-AID MEASURES

In case of hazardous burning on a person, put out the fire by wet clothes on the person, throw water on the burning parts or extinguish by fire extinguisher, then send the sick to hospital timely if necessary.

Do not use fats on the burning parts.

Do not remove the clothes in the burning region.

SECTION 5:

FIRE-FIGHTING MEASURES :

EXTINGUISHING MEDIA:

Carbon dioxide dry chemical or water spray.

SPECIFIC HAZARD:

Protection from bursting lighters is required if lighters are subjected to high temperature or open flames.



Kha Chi Cường

VIET GIAI THANH CO., LTD

LIGHTERS

PAGE 2/4

LATEST REVISION DATE: JAN 10, 2022

SECTION 6:

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Use the lighter by correctly method as per the safety requirements.

ENVIRONMENTAL PRECAUTIONS:

Do not use the lighter in flammable environment
Assemble the defence exhaust fan at workshop

METHODS FOR CLEANING UP:

Open the window and eliminate by the defence exhaust fan.
The gas in small quantity evaporates directly in the air.

SECTION 7:

HANDLING AND STORAGE

HANDLING:

Ignite lighter away from face and clothing.
Be sure the flame is completely out after each use.
Do not puncture or put in fire.
Do not keep lit for more than 30 seconds.
Do not expose the lighter to heat or high temperature.
Avoid direct contact with acid and solvents.

STORAGE:

Do not store the lighter at high temperature or close to a heat source.
Store the lighter at the suitable environment not above 50 °C in dry and well ventilated places.
Be sure the lighters is completely out before any storage.
Avoid the storage of lighters close to highly flammable materials.
Containers for lighters shall be well ventilated.
Cartons of lighters are conform to UN1057.

SECTION 8:

EXPOSURE CONTROLS / PERSONAL PROTECTION

No specific personal protective equipment.

Protection from bursting lighters is required if lighters are subjected to high temperature or open flame.

SECTION 9:

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:

Liquid

COLOR AND ODOR:

Colorless with faint disagreeable odor

pH VALUE

Not relevant.

CHANGE IN PHYSICAL STATE:

Boiling point at 1 atm: 20°C

FLASH POINT:

- 40°C

AUTOIGNITION TEMPERATURE:

Minimum temperature at 1 ATM: 420°C

FLAMMABLE LIMITS IN THE AIR:

Lower limit at 20°C, 1 atm: 1.8%

Upper limit at 20V, 1 atm: 8.8%

Maximum content of O₂(1 atm): 12% vol
at 15°C: 2.5 bar.

EXPLOSION PROPERTIES:

VAPOUR PRESSURE:

1 atmosphere at 15°C: 6.8kg.m-3

VAPOUR DENSITY:

563kg.m-3

DENSITY:

Bunsen coefficient at 20°C: 0.03

SOLUBILITY:



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VIET GIAI THANH CO., LTD

LIGHTERS

LATEST REVISION DATE: JAN 10, 2022

PAGE 3/4

SECTION 10: STABILITY AND REACTIVITY

The gas kept inside the lighter is stable.
Instabilities mainly characterized by burst may occur when the lighter is exposed to excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: CO₂, CO or open flame

SECTION 11: TOXICOLOGICAL INFORMATION

No acute toxicity nor local effect.

SECTION 12: ECOLOGICAL INFORMATION

The by-products from degradation of lighters are CO₂ and H₂O

SECTION 13: DISPOSABLE CONSIDERATIONS

Damaged lighters are to be returned to distributor or manufacturer.
Empty lighters may be disposed at suitable landfill or should conform to the local legislation.
Do not incinerate or puncture.

SECTION 14: TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS:

LAND: RID,RTM,DoT 49 CFR,ADR.
AIR: IATA-DGR,OACI-IT.
SEA:OMI,IMDG.
IMO : 2.1
UN NO : 1057
PKG : NIL



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LIGHTERS

PAGE 4/4

LATEST REVISION DATE: JAN 10, 2022

SECTION 15:

REGULATORY INFORMATION

Keep away from children.

Misuse may cause serious injury.

Follow instructions: Ignite the lighter away from face and clothing.

Be sure the flame is out after use.

Contain flammable gas under pressure.

Never expose to heat above 120°F(49°C) or to prolonged sunlight.

Never puncture or put in a fire.

Do not keep it lit for more than 30 seconds.

SECTION 16:

OTHER INFORMATIONS

* Each individual lighter is conform to ISO-9994:2002 or ISO/FDIS-22702.

*This Safety Data Sheet gives informations concerning our product (I.e lighter). It shuld be pointed out that the products is not a chemical products as per definition §3-11 of ISO11014-1, but only one part of it, is a chemical product. The lighter is designed to bring a safety use of the dangerous chemical product, after carefull reading of the safety notice.

However, this Safety Data Sheet has been written as if lighters were chemical products. Section 9 do not apply to the lighter but to the chemical product confined hermetically in a reservoir equipped with a controled evaporation system.

* The purpose of this Safety Data Sheet is to help the receiver with the use of this product.

This list of informations is not exhaustive and do not keep the receiver freedom making sure that other relevant obligations might specifically be attributed to his concern.



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