



SDS Safety Data Sheet

HT MAPPRO GAS

1. Chemicals and corporate identity

Product identification	FUKKOL HT MAPPRO GAS
Product number	100320
Suppliers	KALEN INTERATIONAL LTD Hongkong Kowloon New Po Kong Fong Street No. 10 new treasure Center Building 1 room 6 words
Emergency telephone	+ 852-2420 2444
Fax	+ 852-2485 1418
Manufacturer	KALEN LUBRICANTS TECHNOLOGY(HUI ZHOU) LTD.

2. Risk overview

EU standard classification	F; R11 Xn; R65 Xi; R38 R67
GB 13690-92 Classification of common dangerous chemicals	Second types of compressed gas and liquefied gas
Physical / chemical hazard	Highly flammable gases (including chemically unstable gases). High pressure gas.
Health hazard	Not classified.
Environmental hazard	Not classified.
Flame burst hazard	This product is flammable and explosive

Danger sign



3. Composition

Ingredients	CAS #	Proportion
propylene	9003-27-4	5-15%
Propane and its mixture	68476-85-7	40-50%

4. First aid measures

Inhalation	Using appropriate respiratory protective device, the patient will be transferred immediately, if the patient stops breathing, artificial respiration should be carried out, and the rest is maintained and the medical care is carried out in time.
Skin contact	Wash the place with soap and water. Take off contaminated clothes. Contaminated clothes should be washed with soap and water and then wear.
Eye contact	To wash the eyelids, with the flow of water or saline. Seek medical assistance
Eating	This product is likely to cause serious damage to the lungs, such as pneumonia, should immediately seek medical treatment, such as vomiting, should continue to keep his head under the thigh and observe whether it is difficult to breathe.

5. Fire control measures

Fire Extinguisher	Use foam, dry chemical reagent (dry powder), or carbon dioxide (CO2) fire.
Hazardous combustion products	Hydrogen, chloride, some phosgene.
Flash point (degrees C)	Not listed .
Fire extinguishing	Cut off the "fuel" source, use foam, dry powder compound fire



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procedure

extinguishing, pay attention to the safety of personnel.

6. Unexpected overflow handling measures

High temperature of the material, to avoid fire, Mars, or natural fire, if there is no danger, it is possible to stop and then overflow. With a mop or absorbent material will overflow into the proper container for further processing. Quickly evacuate the contaminated area personnel to the safe area, and to isolate, strictly limit access. Cut off the fire source. Recommended emergency personnel wear self positive pressure respirator, wear protective clothing for firefighters. As far as possible to cut off the source of leakage, prevent access to sewers, flood channel limited space.

Non emergency personnel	Immediately let the personnel evacuate the area. No action should be taken when personal risks are involved or when appropriate training has not yet been received. Let the unrelated people leave.
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Emergency crew	Make sure that it is fully ventilated. If the ventilation is bad, take the respiratory protection. Wear appropriate personal protective equipment (see Chapter eighth).
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7. Operation disposal and storage

Operating notes	Closed operation, pay attention to ventilation. Operators must be trained in strict compliance with the operating rules. Stay away from fire, heat, smoking is prohibited in the workplace. Use explosion-proof ventilation system and equipment. To prevent vapor from leaking into the air in the workplace. Avoid contact with oxidizing agent. When transporting light light, to prevent damage to packaging and containers.
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Mechanical equipment and tools that are prohibited from using the easy to produce sparks.

At the time of filling, we should pay attention to the velocity of flow (not more than 3m/s), and there is a grounding device to prevent the accumulation of static electricity.

Storage precautions	Stored in a cool, ventilated warehouse. Away from fire and heat. The temperature in the warehouse is not more than 45. To prevent direct sunlight. Keep container seal. Should be separate from the oxidant. Storage room lighting, ventilation and other facilities should be used in explosion-proof type, switch located in the warehouse. Equipped with corresponding varieties and quantities of
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fire equipment. Bottled stacking is not too large, should stay away from the wall, from the top of column, and the necessary fire inspection walkway. Technical measures for fire and explosion prevention in the storage tank. Open tank to summer cooling measures.

8. Exposure control and personal protection

Occupational exposure limit

material	CAS NO	category	numerical value	form
Propane and its mixture	74-98-6	Short-term emissions	300mg/m3	atomization

Chemical marking symbol



Process control

Production process closed, full ventilation. Provide safe shower and eye washing equipment.

Inhalation

Respiratory system protection
but the working environment of the air concentration than the general situation, can be worn with a filter type gas mask (half mask).

Personal protection

The body is protected against static electricity.
Wear appropriate anti chemical gloves for hand protection.

Its

Smoking is prohibited in the workplace.

9. Physical and chemical properties

Product status

Compressed liquefied gas

Appearance and smell

The odors of colorless, hydrocarbon, or mercaptan



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density 20 °C, g/cm³

0.62

Dissolve situation

384mg/L- is slightly soluble in water,

PH

Melting point /
solidification point

boiling point

Flash point

lfl (%)

Limit of combustion -
upper limit (%)

Lower limit of explosion
(%)

Upper limit of explosion
(%)

Vapour pressure

Vapor density

Spontaneous combustion
temperature

decomposition

temperatureEvaporation
rate

Flammability (solid,
gas)Other data

molecular weight

Volatilization

percentageContent of
volatile organic
compounds

Inappropriate

-185°C (-300°F)

-48°C (-54.4°F) 101.325kpa

-107.8°C (-162.0°F)

2%

11%

No data

No data

109.73PSIG (21°C)

1.5 (0°C) (Gas)

497.22°C (927°F)

No data

Inappropriate

Extreme flammable gas

42g/mol

100%

100%

10. Stability and chemical reaction data

Stability

Stable

Risk aggregation

Will not produce

Avoid measures

Strong oxidant, Strong acid, strong alkali, halogen.

Material attention

No



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The risk of material
after decomposition

No

11. Toxicity data

Acute toxicity:

Genuine leather LD50
Inhalation LC50

Murine vein Township
4 hours (rats inhaled)

40mg/kg
3400ppm

When skin tests are performed on animals, it is found that long-term exposure can cause skin sensitivity, but they are mild or moderate.
In contact with the product, such as the use of water wash should be no big deal, but also to try to avoid prolonged contact or inhalation of this product.

12. Ecological data

Ecological toxicity

No data display

Environmental degradation

No data display

13. Waste information

Waste method

The empty drum shall be recovered, regenerated or abandoned by the institution of a qualified or executing license, and be careful in any case to make sure that it is in conformity with the national laws and local regulations.

14. Transport information

Dangerous goods category

Type 2.1 inflammable and explosive gases

United Nations Code

UN1077

Packing method

Aerosol bottle

Transportation matters
needing attention

The corresponding variety and quantity of fire fighting equipment and leakage emergency treatment equipment should be equipped with the corresponding variety and quantity of the transport vehicle.

It's better to transport early and late in summer. The tank



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(tank) used in transportation should be connected with the chain, and the holes can be arranged in the groove to reduce the vibration and generate static electricity.

With no oxidant edible chemical conventional mixing luck.

Transit should prevent accumulation of insolation, rain, high temperature resistant. Should stay away from the fire, heat, high temperature zone.

The vehicle exhaust pipe of the vehicle must be equipped with a fire resistance device, which prohibits the use of easy to produce sparks of machinery and equipment and tools for loading and unloading.

15. Regulation information

EU standard
classification

Extreme flammable gases.

Irritation. The classification of the product is carried out according to the test data of the whole or part of the product.

EU label

Symbol: F, Xn

Risk characteristics

R65; harmful: If swallowing can cause lung injury.

R67; Steam can cause drowsiness and dizziness.

R12; extremely flammable

Safety recommendations

S43; In case of fire, use foam, dry chemical preparation (dry powder) or carbon dioxide

S9; Place the container in a well ventilated place.

S16; Stay away from fire, please do not smoke.

S33; Take ESD preventive measures.

S36/37; Wear suitable protective clothing and gloves.

S57; Use appropriate containers to avoid environmental pollution

S60; This material and its container must be treated with hazardous waste.

S62; after eating do not induce vomiting: seek medical advice immediately and show this container or its logo.

16. Other information

Reference:

Change description: No

Other information: The following laws and regulations and standards have made corresponding regulations on the safe use, storage, transportation, loading and unloading, classification and marking of chemicals.:



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Law Of The People's Republic Of China On Safe Production. (The tenth meeting of the standing committee of the 12th National People's Congress was adopted in Aug., 31th, 2014)

The Occupational-Disease-Prevention Law Of The People's Republic Of China. (The 24th meeting of the standing committee of the ninth National People's Congress was adopted in Oct., 27th, 2001)

Environmental Protection Law Of The People's Republic Of China. (The 11th meeting of the standing committee of the seventh National People's Congress was adopted in Dec., 26th, 1989.)

Regulations On The Safety Management Of Hazardous Chemicals. (The 44th executive meeting of the state council adopted the amendment in Feb., 16th, 2011.)

《The safety production license ordinance.》 (The 34th executive meeting of the state council adopted in Jan., 7th, 2004.)

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