



SDS 安全数据表

LASER MARKING INK

1. Chemicals and corporate identity

Product identification	LASER MARKING INK
Product number	10014
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	Flammable and explosive hazard: combustible, with a strong reaction can occur.
Physical / chemical hazard	The material releases steam to form combustible gases, The accumulation of steam will flicker or explode if it is ignited. Electrostatic accumulation of the substance may cause a discharge to fire.
Environmental hazard	The environment is harmful, may cause long-term adverse effects on aquatic environment.
Health hazard	Harmful: If endocytosis can cause damage to the lungs. Steam can cause drowsiness and dizziness. It may stimulate the eyes, nose, larynx, and lungs. May cause depression in the central nervous system.

Flame burst hazard

Combustible goods.

Danger sign



3. Composition

Ingredients	CAS #	Proportion
MOLYBDENUM DIOXIDE	18868-43-4	17.0%
TRIZINC DIPHOSPHATE	7779-90-0	2.0%
MICA	12001-26-2	3.0%
DIMETHICONE	9006-65-9	0.5%
2,4-pentanediol,3-methyl	5683-44-3	0.5%
ETHANOL	64-17-5	44.0%
Propane and its mixture	68476-85-7	33.0%

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

If the victim is lighter, drink 2-4 cup of milk or water.
If the victim has lost consciousness, seek medical attention immediately.

5. Fire control measures

Fire Extinguisher	Use foam, dry chemical reagent (dry powder), or carbon dioxide (CO ₂) fire.
Hazardous combustion products	Carbide, hydride, water
Flash point (degrees C)	Not listed
Fire extinguishing procedure	Firefighters to wear a gas mask, wearing a full body fire service, in the upper hand to fire. As far as possible the containers from fire to open. Water spray to keep fire cooling container, until the end of the fire. If the containers in the fireground have discoloration or generate sound from the safety relief devices, must be immediately evacuated. Fire extinguishing agent: foam, dry powder, carbon dioxide, sand.

6. Accidental 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.

Small leakage	Adsorption or absorption of sand or other non combustible materials. Can also be used a lot of water washing, washing water and diluted into the wastewater system.
Large leakage	Construct a barrierpit to contain; covered with foam, reduce the Vapor Hazard. Explosion proof pump transferred to tankexclusive collector, place the disposal of recycling or shipped to the waste disposal.

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.

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 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	68476-85-7	Short-term emissions	1800mg/m3	Fog

Chemical marking symbol





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Process control

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

Inhalation

Respiratory system protection
Generally do not need special 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. Hand protective wear gloves.

Its

Smoking is prohibited in the workplace.

9. Physical and chemical properties

Product status

Liquid state

Appearance and smell

White with light green color powder, fragrant odor.

Specific gravity 25, g/cm³

0.82

PH 25°C

6.5-7.5

Solid Content %

17~20

Steam density (atmosphere =1)

> atmosphere

Solubility Volatile organic compounds (%) g/l: 0

dissolve in water
lbs./gal:0

10. Stability and chemical reaction

Stability

Stable



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Risk aggregation

Will not produce

Avoid measures

Strong oxidant, acid, amine, anhydride

Material attention

No

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

Maritime name

Aerosol

Dangerous goods category

Class 2.1 flammable and explosive gases

United Nations Code

UN1950



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Package type	II
Label	2
Hazardous substances needed to be reported	Unwanted
Special preparation for transportation	Unwanted

15. Regulation information

EU standard classification	Combustible 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	R11; Flammable. R67; Steam can cause drowsiness and dizziness. 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.
Safety recommendations	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.

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.:

《Law Of The People's Republic Of China On Safe Production.》

《The Occupational-Disease-Prevention Law Of The People's Republic Of China.》

《Environmental Protection Law Of The People's Republic Of China.》

《Regulations On The Safety Management Of Hazardous Chemicals.》



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《The safety production license ordinance.》

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