



TOILEARLIC

1. Chemicals and corporate identity

Product identification	管菌清 TOILEARLIC
Product number	11101-P104
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
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Manufacturer	KALEN LUBRICANTS TECHNOLOGY(HUI ZHOU) LTD.

2. Risk overview

EU standard classification	----
GB 13690-92 Classification of common dangerous chemicals	Not belong
Physical / chemical hazard	SEM Risco de USO normal.
Environmental hazard	The environment is harmful, may cause long-term adverse effects on aquatic environment.
Health hazard	The invasive route is inhalation, ingestion and transdermal absorption. Steam can cause drowsiness and dizziness. The accumulation of steam will flicker or explode if it is ignited.
Flame burst hazard	This product is not flammable.

Danger sign



3. Composition

Ingredients	CAS #	Proportion
Deionized water	7732-18-5	80.0 - 90.0%
ACID thickener	13127-82-7	1.0 - 3.0%
Inorganic Acid	7664-69-3	5.0 - 10.0%
Bactericide	8001-54-5	0.05%-0.1%

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	not applicable
Hazardous combustion products	NO
Flash point (degrees C)	Not listed
Fire extinguishing	not applicable



procedure

6. Accidental overflow handling measures

High temperature of the material, to Avoid human contact, 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 washed with plenty of water and diluted with water after washing into the waste water 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 50. 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	Control Parameter		
	hour mean acceptable concentration TWA	Short-time mean tolerable concentration STEL	Health Standard for workplace air China MAC
	3PPM	6PPM	1mg/M3
Chemical marking symbol			
process control	Production process closed, full ventilation. Provide safe shower and eye washing equipment.		
Inhalation	Respiratory System Self-priming filter gas mask (half mask) should be worn		
Personal protection	Body protection Wear anti-static work clothes. Hand protection Wear general protective gloves.		
Its	Smoking is prohibited in the workplace.		

9. Physical and chemical properties

Product status	liquid
Appearance and smell	Blue transparent, no special smell



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Specific gravity 25°C, g/cm ³	1.05~1.15
PH	3.0~4.0
Solubility Volatile organic compounds (%) g/l: 0	Dissolve in water and do not dissolve with organic solvents 0 lbs./gal:0

10. Stability and chemical reaction data

Stability	Stable
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

EXPOSURE: Skin, eyes, inhalation, ingestion.

Acute toxicity:

Skin: Liquids can cause Skin Burns.

Eyes: Its vapor will dissolve in the water on the surface of the eye and cause irritation.

INHALATION: stimulation of nose, Pharynx, eyeball and respiratory tract. High levels of steam can cause severe burns to the lips, mouth, pharynx and lungs.

INGESTION: Severe Burns to the internal organs.

LD50 (Testing the start-up, absorption pathway) : --

LC50 (Testing the start-up, absorption pathway) : 1108PPM/1H (Rat, inhale)

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

Transport mode

Transport by ordinary product.

Packing method

Plastic barrels; plastic bottles; Metal bucket

**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 (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**

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

EU label

Risk characteristics

R26/27/28, R35.

Safety recommendations

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.



SDS 安全数据表

- 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.:

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.)

Disclaimer.:

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