



# SDS Safety Data Sheet

## Corrosive Inhibition Copper Spray

### 1. Chemicals and corporate identity

Product identification	FUKKOL Corrosive Inhibition Copper Spray
Product number	91193
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 liquid;
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	High concentration, high toxicity to aquatic organisms.
Health hazard	Harmful: if swallowed by mistake, it will cause lung damage. Steam can cause drowsiness and dizziness. It may irritate eyes, nose, throat and lungs. Prolonged skin contact can cause dryness, dandruff removal, chapping and dermatitis.

may cause depression in the central nervous system.

Flame burst hazard

Combustible goods.

Danger sign



### 3. Composition

Ingredients	CAS #	Proportion
Butyl acetate	123-86-4	1-15%
xylene	1330-20-7	1-12.5%
Oil refined	64742-48-9	1-10%
Naphtha	64742-82-1	1-2.5%
Dimethyl ether	115-10-6	70-80%

### 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



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<b>Fire Extinguisher</b>	Use foam, dry chemical reagent (dry powder), or carbon dioxide (CO <sub>2</sub> ) fire.
<b>Hazardous combustion products</b>	Carbon monoxide, carbon dioxide.
<b>Flash point (degrees C)</b>	Not listed
<b>Fire extinguishing procedure</b>	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	(Butyl acetate: 300) (xylene: 100) (Butyl acetate: 200) (xylene: 100)
China MAC (mg/m3) The former Soviet union MAC(mg/m3)	(Butyl acetate: OSHA 150ppm, 713mg/m3; ACGIH 20ppm, 95mg/m3) (xylene: OSHA 100ppm, 434mg/m3; ACGIH 100ppm, 434mg/m3) (Butyl acetate: No standards set) (xylene: ACGIH 150ppm, 651mk/m3)

TLVTN  
TLVWN

### Chemical marking symbol



### Process contro

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).



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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	Copper metallic liquid, with a pungent odor
Specific gravity 25, g/cm <sup>3</sup>	0.85
Volatilization rate	Quickly
Steam density (atmosphere =1)	> atmosphere
Solubility Volatile organic compounds (%) g/l: 0	Insoluble in water, Miscible with organic solvents lbs./gal:0
Steam pressure	3,5-4,2 bar (20° C)
Steam pressure	8,5-9,5 bar (50° C)

## 10. Stability and chemical reaction data

Stability	Stable at room temperature; Easily react with acids or strong oxidizing substances
Risk aggregation	Will not produce
Avoid measures	Strong oxidant, acid, amine, anhydride
Material attention	No
The risk of material after decomposition	No



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## 11. Toxicity data

Acute toxicity:

Genuine leather LD50	Murine vein Township	40mg/kg
Inhalation LC50	4 hours (rats inhaled)	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 UN 1950

Package type II

Label 2

Hazardous substances needed to be reported Unwanted

Special preparation for transportation Unwanted

## 15. Regulation information



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<b>EU standard classification</b>	Combustible The classification of the product is carried out according to the test data of the whole or part of the product.
<b>EU label</b>	Symbol: F, Xn
<b>Risk characteristics</b>	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.
<b>Safety recommendations</b>	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 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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