FUKKOL

SDS
Safety Data Sheet

# CIRULATING OILS（CYCUS 68#）

## 1. Chemicals and corporate identity

| | |
|---|---|
| Product identification | FUKKOL CIRULATING OILS（CYCUS 68#） |
| Product number | 100035 |
| Suppliers | KALEN INTERATIONAL LTD<br>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 | ---- |
| GB 13690-92 Classification of common dangerous chemicals | Not belong |
| Physical / chemical hazard | Combustible.<br>The material will release the vapor to form a combustible mixture of gas, if the vapor accumulation is lit will flash fire or explosion.<br>Electrostatic accumulation of the material may cause the discharge to fire。。 |
| Environmental hazard | Harmful: if swallowed, it will cause damage to the lungs.<br>Steam can cause drowsiness and dizziness。<br>May stimulate the eyes, nose, throat and lungs。<br>May cause depression in the central nervous system。 |
| Health hazard | Toxic to aquatic organisms, may cause long-term adverse effects on |



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the aquatic environment。

| | |
|---|---|
| Flame burst hazard | This product is flammable。 |
| Danger sign |  |

## 3. Composition

| Ingredients | CAS # | Proportion |
|---|---|---|
| Lubrication anti-wear, anti-rust additives | 68608-26-4 | 5.0 - 15.0% |
| Heavy distillate hydrocarbons from dewaxing oil | 3642-65-0 | 45.0 - 60.0% |
| Synthetic oil | 83488-05-5 | 15.0 - 25.0% |

## 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。<br>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. |



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| | |
|---|---|
| Hazardous combustion products | Hydrogen, chloride, some phosgene. |
| Flash point (degrees C) | Not listed 。 |
| Fire extinguishing procedure | Cut off the "fuel" source, use foam, dry powder compound fire 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.

| | |
|---|---|
| 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.<br>Mechanical equipment and tools that are prohibited from using the easy to produce sparks.<br>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. |



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| | |
|---|---|
| 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

| Maximum permissible concentration | | | | |
|---|---|---|---|---|
| material | Regulations | Contact / exposure duration | Contact / exposure limit | unit |
| Oil mist | ACGIH | TWA | 5 | Milligram / cubic meter |
| | ACGIH | STEL | 10 | Milligram / cubic meter |

Chemical marking symbol




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

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



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| | |
|---|---|
| Product status | Liquid state |
| Appearance and smell | Yellow clear and transparent、no special smell |
| kinematic viscosity 40℃, $mm^2/s$ | 61.2～74.8 |
| Density 20 ℃, $g/cm^3$ | 0.840～0.890 |
| Flash point ℃ | >220 |
| Pour point ℃ | <-12 |
| Dissolve situation | Insoluble in water, can be mixed with mineral oil, organic solvents. |
| Copper corrosion not greater than level | 1a |

## 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

Basis of evaluation: The information provided is based on similar product components and toxic data。

Acute toxicity:

Acute oral toxicity: Low toxicity: LD50＞5000mg/Kg

Acute toxicity of skin: Low toxicity: LD50＞5000mg/Kg

Acute respiratory toxicity: Under normal use, Do not think there is a danger of inhalation。

Skin irritation or corrosion: It is expected to feel a slight irritation。Long or continuous contact with the skin, Without proper cleaning, May clog the



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pores of the skin,Lead oil acne / hair Xiangyan disease.
Eye irritation or corrosion: It is expected to feel a slight irritation。
Respiratory or skin allergy: Inhalation of vapors or powder fogs may cause stimulation。
Mutagenicity of germ cells: There is no danger of mutagenesis。

## 12. Ecological data

There is no data on ecotoxicology that specializes in this product 。The following information is based on the knowledge of the components of similar products and the preschool age of Ecotoxicology。

| | |
|---|---|
| Acute toxicity | May cause aquatic organisms emit foul。 |
| Mobility/mobility in soil | For liquid under most environmental conditions。Floating on the surface of the water。If you get into the soil, It will be absorbed by the soil particles and will not be able to flow. |
| Persistence/degradability | Biodegradation is not expected to be easy。 It is expected that the main components have inherent biodegradability, But this product also contains some components that may remain in the environment。 |
| Bioaccumulation | Components with potential for bioaccumulation。 |
| Other adverse reactions | A product is a mixture of non volatile components, It is not expected to be discharged into the air No ozone depletion is expected, The possibility of photochemical ozone formation or global warming。 |

## 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; iron。 |
| 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 |


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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 conventionalmixing 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 | Combustible。<br>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。<br>R67; Steam can cause drowsiness and dizziness. |
| Safety recommendations | S43; In case of fire, use foam, dry chemical preparation (dry powder) or carbon dioxide<br>S9; Place the container in a well ventilated place.<br>S16; Stay away from fire, please do not smoke.<br>S33; Take ESD preventive measures.<br>S36/37; Wear suitable protective clothing and gloves.<br>S57: Use appropriate containers to avoid environmental pollution<br>S60; This material and its container must be treated with hazardous waste.<br>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



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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.)

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