



# SAFETY DATA SHEET

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Revised edition no : 02

## P-612 PINE JEL

Effective Date: 19.5.2023

### 1 Identification of the Product and the company

Chemical Name : Pine Jel  
Type of product chemical family : Disinfectant Fluid (Jel Type)  
Use : Disinfecting  
Producer : TLC-KOYA CHEMICALS MANUFACTURING SDN BHD  
No.22 & 23, Jalan Maju 1,  
Cemerlang Industrial Estate,  
81800 Ulu Tiram, Johor, Malaysia.  
Tel: 607-8675798 Fax: 607-8675799  
Website: www.koyachemicals.com Email: admin@koyachemicals.com  
Emergency phone no : See producer

### 2 Hazard Identification

Pictogram



Signal Word : Danger

Classification

|  |             |
|--|-------------|
| Skin corrosion or skin Irritation            | Category 2  |
| Serious eye damage or eye irritation         | Category 1  |
| Skin sensitization                           | Category 1  |
| Carcinogenicity                              | Category 1B |
| Hazardous to the aquatic environment-chronic | Category 3  |

### HAZARD STATEMENTS

H315 Causes skin irritation  
H318 Causes serious eye damage  
H350 May cause cancer  
H412 Harmful to aquatic life with long lasting effects

### PRECAUTIONARY STATEMENTS

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash hands thoroughly after handling.  
P272 Contaminated work clothing shall not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 Use personal protective equipment as required.  
P310 Immediately call a POISON CENTER or doctor/physician  
P362 Take off contaminated clothing and wash before reuse.  
P363 Wash contaminated clothing before reuse.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

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### 3 Composition / Information on Ingredients

Hazardous Ingredients : Pine Oil 10 - 30%

### 4 First Aid Measures

For Eye Contact : Flush with cool running water, lifting the upper and lower eyelids occasionally until discomfort is relieved.

For Skin Contact : Not expected to present a significant skin hazard under anticipated condition of normal use.

For Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

For Inhalation : Treatment base on judgment of physician in response to reaction of patient.

### 5 Fire-Fighting Measures

Fire Hazard : Product is water based and in wet form, its fire hazard is low. The dried product is combustible, decomposition products can be toxic.

Extinguishing media : Water, powder, CO<sub>2</sub>, sand... all extinguishing media are suitable. Protective clothing and self-contained breathing equipment should be available for firemen.

: To prevent environmental damage, if possible collect water used to extinguish the fire in containers.

### 6 Accidental Release Measures

Personal protection : Wear PVC-gloves and goggles to contain spillage. Avoid repeated skin contact.

Environment precautions : Prevent the product contaminating soil and groundwater. Prevent the product entering sewers and waterways. Cfr. Section 12.

Cleaning / recovery : Large spillages : contain and pump into containers. Small spillages : absorb on sand, earth...and collect into containers for disposal. Disposal should always comply with local, national or EEC regulations. Cfr. Section 13.

### 7 Handling and Storage

Handling : Good industrial and personal hygiene practice should be followed. No eating and drinking in the workplace. Ensure adequate ventilation.

Storage : Storage temperature : between +5 and +40°C. Protect from frost and direct sunlight. Drums and bottles : material is plastic or steel. Bulk tank : stainless steel, plastic coated materials...Clean bulk tanks periodically to prevent accumulation of bacteria.

Specific use : Use the best available methods of handling our Products whereby the employees enjoy maximum safety and whereby the environment is minimally affected.

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### 8 Exposure Controls / personal protection

|                                   |   |
|-----------------------------------|---|
| Exposure limit values             | : No danger in normal ambient conditions.<br>There are no specific limiting values for professional exposure.<br>There are no biological limiting values.<br>User should determine the conditions for safe use of the product. Cfr. Section 7 "Handling and Storage". |
| Exposure controls:                |   |
| - Occupational exposure controls  | : Respiratory protection : not applicable.<br>Hand protection : waterproof PVC-gloves (CE)<br>Eye protection : goggles or safety glasses (CE)<br>Skin protection : N/A<br>Avoid repeated skin contact.  |
| - Environmental exposure controls | : The product must not be discharge directly into drains or waterways without treatment.  |

### 9 Physical and Chemical Properties

|                  |  |
|------------------|--|
| Appearance       | : clear gel                            |
| Colour           | : pale yellow                          |
| Specific gravity | : 0.9-1.1 @ 28.9°C                     |
| pH value         | : 8.0-9.0 @ 24-26.5°C                  |
| Viscosity        | : 2000-6000 @ 40°C<br>4000-8000 @ 30°C |

### 10 Stability and Reactivity

|                                  |   |
|----------------------------------|---|
| Conditions to avoid              | : Stable under the recommended storage conditions. Cfr. Section 7 "Storage".<br>Bacterial degradation can occur if the Product is stored for an unusually long period or is stored under unsuitable conditions. |
| Materials to avoid               | : N/D   |
| Hazardous decomposition products | : N/D   |

### 11 Toxicological Information

|            |  |
|------------|--|
| On product | : Low toxicity is indicated by available data.<br>Under normal industrial conditions, there is no indication that the Product can be considered as a health risk.<br>Skin contact should be avoided to prevent possible long-term or short-term sensitisation. |
|------------|--|

### 12 Ecological Information

|                               |  |
|-------------------------------|--|
| Ecotoxicity                   | : The Product is soluble with water and as such could cover considerable distances if spilled into waterways. Even a small spillage will whiten the appearance of water. Water for sewage treatment, that has been contaminated.<br>will small quantities of the Product, will not affect the biomass. High concentrations may be harmful to fish and micro organisms. |
| Mobility                      | : Not established.   |
| Persistence and degradability | : There is only a slow environmental degradation of the Product.   |
| Bioaccumulative potential     | : There is seemingly no tendency for bioaccumulation.  |
| Other adverse effects         | : Unknown.   |

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#### 13 Disposal Considerations

- The following advice only applies to the product as supplied.
- Combination with other materials may well indicate another route of disposal. If in doubt, contact local TLC-KOYA CHEMICALS MANUFACTURING SDN BHD or local authorities.
- Empty packaging should be taken for recycling, recovery or disposal through a suitable qualified or licensed contractor.
- Care should in any case be taken to ensure compliance with national and local regulations.
- This product is not suitable for disposal by either landfill or via municipal sewers, drains, and natural streams, rivers or seas, they will effect the relationship between living things, plants and their environment.

#### 14 Transport Information

General information : This Product is not regulated for road/rail & sea transport.

#### 15 Regulatory Information

|                             |  |
|-----------------------------|--|
| Classification and labeling | : Classification / symbol - not regulated.   |
| Governing directive         | : Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997.               |
| Safety advice               | : May contain information in excess of requirements under applicable laws.   |
| P201                        | Obtain special instructions before use.  |
| P202                        | Do not handle until all safety precautions have been read and understood.  |
| P261                        | Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  |
| P264                        | Wash hands thoroughly after handling.  |
| P272                        | Contaminated work clothing shall not be allowed out of the workplace.  |
| P273                        | Avoid release to the environment.  |
| P280                        | Wear protective gloves/protective clothing/eye protection/face protection.   |
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| P310                        | Immediately call a POISON CENTER or doctor/physician   |
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| P302+P352                   | IF ON SKIN: Wash with plenty of soap and water.  |
| P305 + P351<br>+ P338       | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313                   | IF exposed or concerned: Get medical advice/attention.   |
| P332+P313                   | If skin irritation occurs: Get medical advice/attention  |
| P333+P313                   | If skin irritation or rash occurs: Get medical advice/attention.   |
| P405                        | Store locked up.   |
| P501                        | Dispose of contents/container in accordance with local/regional/national/international regulation.                               |

#### 16 Other information

Further information : None  
Print date : 19.5.2023

N/A - Not Applicable N/D - Not Determined

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

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