



<b>SAFETY DATA SHEET</b>	Page :1
<b>P-636 "KOYANAILS"</b>	Revised edition no : 03
<b>CONSTRUCTION ADHESIVE</b>	Effective Date: 24/7/2024

**1 Identification of the Product and the company**

Chemical Name : "KOYANAILS" Construction Adhesive  
Type of product chemical family : N/A  
Distributor : 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 number : See distributor

**2 Hazards Identification**

Hazard Pictogram



Signal Word: Warning

**Classification**

Serious eye damage or eye irritation Category 2  
Skin sensitization Category 1

**Hazard Statement**

H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation.

**Precautionary Statement - Prevention**

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 - Wash thoroughly after handling.  
P272 - Contaminated work clothing shall not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statement - Response**

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.  
P321 - Specific treatment  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P337 + P313 - If eye irritation persists: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.

**Precautionary Statement - Disposal**

P501 - Dispose of contents/container in accordance with regulations made under the control of Pollution & Environmental Protection Acts.

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<b>SAFETY DATA SHEET</b>	Page :2
<b>P-636 "KOYANAILS"</b>	Revised edition no : 03
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### 3 Composition / Hazardous Components

This product is classified as mixture.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration (%w/w)</u>
Acrylic emulsion	Trade secret	25 - 30
Calcium carbonate	1317-65-3	60 - 65
Dibutyl phthalate	84-74-2	5 - 10
Ethylglycol	110-80-5	1 - 2
Pigment	Trade secret	< 1

### 4 First-Aid Measures

#### 4.1 Description of first aid measure

Inhalation	:	Remove to fresh air. Get medical attention if symptoms occur.
Skin contact	:	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
Eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
Ingestion	:	Rinse mouth. Get medical attention if symptoms occur

#### 4.2 Most important symptoms and effect, both acute and delayed

None known.

#### 4.3 Indication of any immediate medical attention and special treatment needs

Treat symptomatically and supportively.

### 5 Fire Fighting Measures

#### 5.1 Extinguishing media

Suitable extinguishing media :	Water spray, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ), and dry chemical.
Unsuitable extinguishing media :	None known

#### 5.2 Special hazards arising from the substance and mixture

Hazardous combustion products : Carbon oxides, aldehydes and ketones.

#### 5.3 Special protective equipment and precautions for fire-fighters

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus. Use personal protective equipment.

### 6 Accidental Release Measures

#### 6.1 Personal precautions, protective equipment, and emergency procedures

Follow safe handling advice and personal protective equipment recommendations.

#### 6.2 Environmental precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

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<b>SAFETY DATA SHEET</b>	Page :3
<b>P-636 "KOYANAILS"</b>	Revised edition no : 03
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### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to release and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

## 7 Handling and Storage

### 7.1 Precautions for safe handling

Use only with adequate ventilation. Do not breathe vapor, mist, or dust. Do not get on skin or clothing. Do not swallow. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with the particular national regulations. Store container protected from sunlight in a dry, cool, and well-ventilated area. Keep container tightly closed and sealed until ready for use. Do not store with strong oxidizing agent.

## 8 Exposure Control / Personal Protection

### 8.1 Control parameters

Components	CAS-No.	Control parameters/Permissible concentration	Basis
Limestone	1317-65-3	15mg/m <sup>3</sup> (total), 5mg/m <sup>3</sup> (resp.) 10mg/m <sup>3</sup> (total), 5mg/m <sup>3</sup> (resp.)	OSHA PEL (TWA) NOISH PEL (TWA)

### 8.2 Appropriate engineering controls

Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

### 8.3 Personal protective equipment

Eye / face protection : Safety goggles.

Skin / body protection : Skin should be washed after contact. Wash hand before breaks and at the end of workday.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Filter type combined particulates and organic vapour type.

### 8.4 Work / Hygienic practices

Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require added precautions.

## 9 Physical and Chemical Properties

a) Appearance and color	Paste in various color
b) Odor	Characteristics
c) Odor threshold	No data available
d) pH	Not applicable
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling	100°C
g) Flash point	No data available
h) Evaporation rate	Not applicable
i) Flammability (solid ,gas)	Not classified as a flammability hazard
j) Self-ignition	The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.
k) Upper explosion limit	No data available

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<b>SAFETY DATA SHEET</b>	Page :4
<b>P-636 "KOYANAILS"</b>	Revised edition no : 03
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l) Lower explosion limit	No data available
m) Vapour pressure	Not applicable
n) Relative vapour density	No data available
o) Density	1.65 ± 0.05 g/cm <sup>3</sup>
p) Solubility	Miscible in water
q) Partition coefficient : n-octanol/water	No data available
r) Auto-ignition temperature	No data available
s) Decomposition temperature	No data available
t) Viscosity	300,000 - 500,000cps
u) Explosive properties	Not explosive
v) Oxidizing properties	The substance or mixture is not classified as oxidizing.

## 10 Stability and Reactivity

### 10.1 Reactivity

Not classified as a reactivity hazard.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous decomposition products will be formed at elevated temperatures.

### 10.4 Conditions to avoid

None known

Incompatible materials

Oxidizing agents

### 10.5 Hazardous decomposition products

None known.

## 11 Toxicological Information

### 11.1 Information on the likely routes of exposure

Skin contact

Eye contact

### 11.2 Symptoms related to physical, chemical, and toxicological characteristics

Inhalation No specific data

Skin contact Mild skin irritation including redness, swelling, itching and dryness

Eye contact Eye irritation including redness, swelling, pain and tearing

Ingestion No specific data.

### 11.3 Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure / long term exposure

Potential immediate effects Not available

Potential delayed effects Not available

Potential chronic health effects Not available

### 11.4 Acute toxicity

Not classified based on available information.

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<b>P-636 "KOYANAILS"</b>	Revised edition no : 03
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## 12 Ecological Information

12.1 Ecotoxicity	
Acute aquatic toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Other adverse effects	No known significant effects or critical hazards.

## 13 Disposal Considerations

13.1 Waste from residues :	Dispose of in accordance with local regulations.
13.2 Contaminated packaging :	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified, dispose of as unused product.

## 14 Transport Information

14.1 UNRTDG	: Not regulated as a dangerous good
14.2 IATA-DGR	: Not regulated as a dangerous good
14.3 IMDG-Code	: Not regulated as a dangerous good

## 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.

### **Precautionary Statement - Prevention**

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SAFETY DATA SHEET	Page :6
P-636 "KOYANAILS" CONSTRUCTION ADHESIVE	Revised edition no : 03
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16 Other information

Further information : None  
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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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