

Material Safety Data Sheet

Alkyd Resin

Section 1: Chemical Product and Company Identification

Product Name : Alkyd Resin
Synonyms : Coconut Oil Fatty Acid Base Alkyd Resin
Company Identification : Tradeasia International Pte Ltd
Email : contact@chemtradeasia.com

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#
Alkyd Resin	68333-62-0

Section 3: Hazards Identification

Flammable (IMCO Class 3): Harmful by inhalation and in skin contact

Section 4: First Aid Measures

General: In all cases of doubt or fatality seek immediate medication

Constant over exposure: Skin Irritant, effects eyes & respiratory tract.

Inhalation: Ventilate with fresh air

Skin contact: Remove contaminated clothing, wash skin with soap & water. Any recognized cleanser, apply soothing cream. Ingestion: Obtain immediate medical attention if swallowed accidentally.

Eye contact:

Irrigate copiously with fresh water keeping eyes wide open and seek medical advice.

Section 5: Fire and Explosion Data

Extinguishing media:

Water spray-mist. CO₂, powder, alcohol-resistant foam, sand do not use water -jet

Specific Hazard:

Fire will produce large amount of dense black fumes, Inhalation of which would cause serious health hazards Special breathing apparatus may be required

Recommendations:

Cool closed containers exposed to fire with water.

Section 6: Accidental Release Measures

Steps to be Taken if Material is Released or Spilled:

Recover spilled material if possible. If unable to recover, then proceed with appropriate cleanup

methods. Absorb with materials such as: Clay. Sand. Sawdust. Vermiculite. Collect in suitable and properly labeled containers. Water may be used for final cleaning of affected area. Wash water should be disposed of in accordance with local regulations.

Personal Precautions:

Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions:

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

Section 7: Handling and Storage

Handling:

Keep away from heat and sources of ignition and in no smoking area. Take precautions against electric charges. It is recommended to wear antistatic clothes including shoes. Use only non-sparking tools. Product should be handled in accordance with good industrial safety procedures.

Storage:

Keep in cool, well ventilated place, preferably between +5°C and +30°C. Take precautionary measures against static discharges. Store away from direct sunlight and sources of heat. Storage must comply with the local regulations and should be labeled for proper identification. Do not allow smoking in the areas and keep containers devoid of leakages

Section 8: Exposure Controls/Personal Protection

Personal Protection

Respiratory Protection:

In case of insufficient ventilation wear suitable respiratory equipment.

Hand Protection:

Impervious gloves. Evaluate the resistance of the product under Conditions of use.

Eye Protection:

Wear approved safety glasses or chemical goggles or a face shield. Have an emergency eyewash station readily available in the working area. Skin & Body Protection: Impervious gloves, coveralls, boots, and/or other resistant protective clothing. Have a safety shower/ eye wash fountain readily available in the immediate work area.

Other Protective Measures:

Remove contaminated clothing immediately. Keep contaminated clothing in closed containers. Discard or launder before re-wearing. Inform laundry personnel of contaminated hazards.

Hygiene measures:

Do not eat, drink or smoke in workplace. Wash hands before eating.

Engineering Controls

Ventilation:

Provide local and general exhaust ventilation to effectively remove and prevent vapors and mists

generated from the handling of this product. Care should be taken in controlling the emission of fumes into the environment. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Section 9: Physical and Chemical Properties

Appearance/Form: Free flowing clear liquid

Colour: Pale yellow to dark yellow

Boiling Point: 160 – 210 °C

Solubility in water: Water Negligible, Organic Solvents infinite

Flash Point: 38 °C

Specific Gravity @ 25°C: 0.90 - 0.93 (55% Solids @ 25°C)

Vapor Density: Heavier than air

Section 10: Stability and Reactivity Data

Stability Indicator: Yes

Stability condition to avoid: Do not freeze

Hazardous decomposition products: None under normal use. Thermal decomposition may lead to release of irritating gases and vapors.

Section 11: Toxicological Information

Product not test for the above information, but was classified by conventional method.

Indications:

Exposure to component solvent vapor concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and also adverse effect on the central nervous system normal. Symptoms and signs including headache, dizziness, fatigue, loss of consciousness etc. The liquid splashed in the eye may cause irritation or reversible effect.

Section 12: Ecological Information

Do not allow material to be released to the environment (ground, air or water Bodies, River, sewerages) without proper permits.

Section 13: Disposal Considerations

Recommendations:

To dispose by burning, in compliance with fire regulations. Empty container can be disposed off as scrap material recycled.

Section 14: Transport Information

UN-No: 1866

Marine pollutant: Yes
Shipping name: Alkyd Resin
Packing Group: III
ADR: Class 3
IMO / IMDG: Class 3.3
ICAO/IADA: Class 3
EMS: F-E, S-E

Section 15: Other Regulatory Information

Product is classified in accordance with EEC regulations-Dir.91/326/EEC commission Dir. Of 5.3.91 adapting to technical progress 13th time council Dir.67/548/EEC relating to the classification, packing and labeling of dangerous goods. OJ no L 180, 8.7.91, p79; OJ no L 180A

Labeling:

R-Phrase (s):

R10 Flammable
R20 Harmful by inhalation
R36/38 Irritating to eyes & skin.

S-Phrase (s):

S2 Keep out of reach of children
S13 Keep away from food, drink & animal feeding stuffs.
S24/25 Avoid contact with skin & eyes.
S26 In case of contact with eyes, rinse immediately with plenty water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well ventilated areas.
S16 Keep away from source of ignition, no smoking.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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