

# MEDIUM OIL ALKYD RESIN

## Material Safety Data Sheet (MSDS)

### PRODUCT NAME

MEDIUM OIL ALKYD RESIN

Case#68333-62-0

### APPEARANCE

Amber Cloured Clear liquid

### ADDRESS

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#### Factory

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### PHYSICAL PROPERTIES

Chemical Name	:	Alkyd Esters
Molecular Formula	:	-----
Molecular Weight	:	-----
Melting Point	:	Semi Solid at room temperature
Boiling Point	:	160 - 210°C.
Solubility in Water	:	Water Negligible, Organic Solvents infinite
Specific Gravity@ 25°C	:	0.90 - 0.93 (50% Solids@25°C)
Vapour Density	:	Heavier than air
Viscosity (Poise)	:	100~120

### HAZARD IDENTIFICATION

#### *Main Hazards*

Flammable, excessive exposure may result in adverse effect such as mucous membrane & respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Repeated and prolonged contact with preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through skin. The liquid splashes in the eye may cause irritation and reversible damage.

#### *Health Hazards( over-exposures)*

**Eyes:** The liquid splash in the eye may cause irritation and reversible damage.

**Skin:** Repeated and prolonged contact with preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through skin. .

**Ingestion:** may cause lung inflammation, throat irritation, mucous membrane irritation, fatigue, dizziness, headache, nausea, vomiting, diarrhea, gastro-intestinal disturbances, abdominal pain, central nervous system depression.

**Inhalation:** irritation of respiratory tract. Prolonged inhalation may lead to loss of appetite, mucous un-coordination, nausea, vomiting, coughing, intoxication, anesthetic effect or narcosis, difficulty of breathing, asphyxiation.

#### *Fire Hazards*

Flash Point	:	38°C		
Auto Ignition Temperature	:	---- °C		
Explosion Limits	:	0.6 %	(Volume)	Lower
		6.0 %	(Volume)	Upper

## **PACKING**

It is available in mild steel (M. S.) drums of 190 Kg net or in Bulk liquid form (Road Tankers of 10 ~ 20 MT

## **FIRST AID**

### ***Eyes***

Immediately flood eyes with plenty of water for at least 15 minutes, holding the eyes open. Get immediate medical attention if soreness or redness persists.

### ***Skin***

Wash affected skin with soap and plenty of water immediately. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil on to skin. Remove contaminated clothing and wash contaminated clothing before use.

### ***Ingestion***

Wash out mouth with water. Do not give anything for eating or drinking to an unconscious person. Do not induce vomiting. Get immediate medical attention.

### ***Inhalation***

Remove to fresh air. Restore and support continued breathing. Get medical attention. Have trained person to give oxygen if necessary. Remove to fresh air if inhalation causes eye watering, headache, dizziness or other discomfort.

### ***Advice to Physicians***

Treat symptomatically. If swallowed, flush stomach.

## **ACCIDENTAL RELEASE MEASURES**

### ***Personal Protectives***

Wear appropriate protective clothing. Material can create slippery conditions under foot.

### ***Environmental Precautions***

Try to prevent the material from entering drains or water reservoirs. Inform local authorities if spillage has entered water course or sewer or has contaminated soil or vegetation. Prevent spread of material by use of temporary bund or impervious barrier. Eliminate all sources of ignition. Ventilate area. Evacuate all unnecessary personnel.

### ***Spillage***

Contain and absorb spilled material using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Large spills - shut off leak if safe to do so. Dike and contain spill. Use absorbent to pick up excess residue.

### ***Disposal***

**Product:** Incineration or landfill. Dispose of in accordance with all applicable local and national regulations. If adequately incinerated, it will decompose to Carbon Di Oxide and Water only. Biologically degradable.

**Containers:** Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near the container. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate close containers.

## **HANDLING AND STORAGE**

### ***Handling***

Vapors are heavier than air and may spread along floor. Vapors may form explosive mixtures with air. Prevent the creation of inflammable or explosive concentration of the vapor in air and avoid vapor concentration higher than the occupational exposure limits. Additionally, the product should only be used in areas from where all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Always use earthing lead when transferring from one container to another to avoid electrostatic charge. Operators should always wear antistatic footwear and clothing, and floor should be of the conducting type. Keep container tightly closed. Isolate from source of heat, sparks and open flame. No sparking tools should be used. Avoid skin and eye contact. Avoid inhalation of vapor and spray mist. Smoking eating and drinking should be prohibited in application area.

### ***Storage***

***Suitable Storage Materials are:*** Mild Steel drums and tankers. Store in accordance with local regulations, store in a temperature 5-30 °C in a dry, well ventilated place away from source of heat and direct sunlight. Keep away from source of ignition, oxidizing agent, strong Acid and alkalis. No smoking. Prevent unauthorized access. Containers, which are opened, must be carefully released and kept upright to prevent leakage.

***Do Not Store in:*** Certain Plastic and Rubbers. Glass reinforced polyester

## **EXPOSURE CONTROL / PERSONAL PROTECTION**

Provide adequate ventilation, with local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentration of solvent vapor below the OEL (Occupational Exposure Limit), then use suitable respiratory protection.

### ***Respiratory Protection***

Respiratory protection is required if there is risk of breathing mists or vapors from heated materials. In this case use a mask with having appropriate filter cartridge when spraying.

### ***Hand Protection***

Protective gloves (Butyl Rubber or Nitrile Rubber).

### ***Eye Protection***

Chemical goggles if there is a risk of splashing.

### ***Body Protection***

Normal working clothing.

### ***Hygiene Measures***

Do not eat, drink or smoke during work time. Remove contaminated or soaked clothing immediately.

## **ECOLOGICAL EFFECTS**

No data is available.

## **TRANSPORTATION**

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

### **TOXICOLOGICAL INFORMATION**

No data is available

### **STABILITY AND REACTIVITY**

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.

### **FIRE FIGHTING MEASURES**

#### ***Suitable Extinguishing Agents***

Water Spray, Foam, Dry Chemical Powder & CO<sub>2</sub>. Keep containers and surroundings cool with water spray.

#### ***Unsuitable Extinguishing Agents***

Water Jet.

#### ***Protective Equipment for Fire Fighting***

Self contained breathing apparatus. Combustion will generate oxides of carbon, bitterly pungent smoke and irritation fumes.

### **REGULATORY ANED LABELING 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.

The Alkyd Resin is labeled according to following information: -

<b>Hazard Label</b>	:	<b>X</b>	<b>Health Harmful</b>
<b>Risk Phrases</b>	:		<b>(R10) Flammable (R20) Harmful by inhalation (R36/38) irritating to eyes and skin</b>
<b>Safety Phrases</b>	:		<b>(S2) Keep out of reach of children (S13) Keep away from food drink and animal feeding stuffs. (S24/25) Avoid contact with skin &amp; eyes (S26) Rinse with water for eyes contact and seek medical advice. (S46) If swallowed, seek medical advice and show the label. (S51) Use only in ventilated areas. (S16) Keep away from source of ignition, no smoking.</b>

### **OTHER INFORMATION**

This information is based on our present state of knowledge, being given in good faith and is intended to describe the product for the purpose of Health, Safety and Environment only. No warranty either expressed or implied is given which regard to the outcome of the use of such information.