PRODUCT: - Soybean Oil Based Alkyd Resin

As per directive 91/155/EEC

LONG OIL ALKYD DISSOLVED IN WHITE SPIRIT

Date: 23-08-2011
Revision Date: 12-11-2012

1- IDENTIFICATION OF PRODUCT & COMPANY

Product Code: SABKYD 58%
Intended Use: Binder for paints
Company Name: Saleh & Abdulaziz Abahsain Chemical Manufacturing Industry
Company Address: Block # M12-4, Road # 131, 2nd Industrial city Dammam K.S.A
Telephone & Fax: Tel. 8123640 – 42 Fax. 6123868

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Identification of the preparation: Soybean Oil Based Alkyd Resin in White Spirit

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyd Resin</td>
<td>68333-62-0</td>
</tr>
<tr>
<td>White Spirit</td>
<td>64742-82-1</td>
</tr>
</tbody>
</table>

3- HAZARDS IDENTIFICATION

Flammable:
Harmful by inhalation and in skin contact.

4- FIRST AID MEASURES

General:
In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation:
Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration.
Eye contact:
Irrigate with fresh water, holding eyelids apart. Seek medical attention if irritation persists.

Skin contact:
Remove contaminated clothes. Wash skin thoroughly with soap and water or use recognized skin cleaner. Do not use solvent or thinners.

Ingestion:
If accidentally swallowed, obtain medical advice, do not induce vomiting.

5- FIRE- FIGHTING MEASURES

Extinguishing Media:
Alcohol resistant foam, carbon dioxide, powder, water spray are suitable. But do not use water jet.
Recommendation:
Fire will produce dense black smoke. Exposure to decomposition product may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or watercourses.

6- ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Contain and collect spillage with sand, diatomaceous earth and place the container for disposal according to local regulation. If the product contaminates the lake, river or sewage, inform appropriate authorities in accordance with local regulations.

7- HANDLING & 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:
Store in accordance with local regulations, store in a temperature 5-30 ºC 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.

8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures:
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.

Personal Protection:

| Respiratory | Masks, when spraying |
| Hand | Resistant gloves |
| Eye | Goggles to prevent splashes |
| Skin | Wear antistatic clothing |

Note: All parts of body should be washed after contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance/Form: Free Flowing Clear liquid |
| Color: Pale Yellow to Dark yellow |
| Boiling Point: 155 – 205 ºC. |
| Solubility in water: Negligible |
| Flash Point: 38 ºC |
| Specific Gravity@ 25ºC: 0.900– 0.950 (58% Non-Volatile @25ºC) |
| Vapor Density: Heavier than air |

10- 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. |

11- TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself.
12- HEALTH INFORMATION

Exposure to component solvents vapors concentration in excess of the stated occupational exposure limits may result in adverse effect as such, mucous membrane and 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 the 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.

13- ECOLOGICAL INFORMATION

There are no data available on the preparation itself. The product should not allow entering drains or watercourses.

14- DISPOSAL CONCENTRATION

Recommendations: Dispose by burning in compliance with fire regulations. Empty container can be disposed off as scrap material can be recycled.

15- TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>UN-No:</th>
<th>1866</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine pollutant:</td>
<td>Yes</td>
</tr>
<tr>
<td>Shipping name:</td>
<td>Alkyd Resin</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>III</td>
</tr>
<tr>
<td>ADR:</td>
<td>Class 3</td>
</tr>
<tr>
<td>IMO / IMDG:</td>
<td>Class 3.3</td>
</tr>
<tr>
<td>ICAO/IADA:</td>
<td>Class 3</td>
</tr>
<tr>
<td>EMS:</td>
<td>F-E, S-E</td>
</tr>
</tbody>
</table>

16. 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
MATERIAL HEALTH & SAFETY DATA SHEET

QF-26, Rev-01

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 of 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.

Issued Sep. 2012
This MSDS supersedes those previously issued.

Symbol(s):

HARMFUL

DISCLAIMER
“The above information, and in particular, the recommendations relating to the application and use of SABCI products, are given in good faith based on SABCI’s current knowledge and experience of the products when properly stored, handled and used under normal conditions, within their shelf life. In practice, the differences in materials, chemistries and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.”