



SAFETY DATA SHEET

WOODLAC AC SERIES

Identification of the Substance / Preparation and Company

Product Details

Trade Name : Woodlac AC Series
 Product No :

Supplier Details

: LIQUID COLOURS (PTY) LTD
 P O BOX 2685
 Edenvale
 1610
 South Africa

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Composition / Information On Ingredients

Chemical Characterisation : Alkydised Lacquer (40% Solids)

Hazardous Ingredients:	CAS-No.	UN No.	Risk Phrases (R) Safety Phrases (S)	Hazardous Symbol
Short Oil Alkyd	1330-20-7	1866	R20/21 Harmful by inhalation. S79 Keep container tightly closed and in a well ventilated place. S37/39 Wear suitable gloves and eye and face protection.	Xn: Harmful
Butylated Urea Formalehyde	1330-20-7	1866	R10 Flammable. R20 Harmful by inhalation. R40 Possible risk of irreversible effects. R43 May cause sensitization by skin contact. S24/25 Avoid contact with skin and eyes. S38 In case of insufficient ventilation, wear suitable respiratory equipment. S43, In case of fire, use water fog, foam or powder – DO NOT USE WATER JETS. S51 Use only in well ventilated areas	Xn: Harmful



Xylene	1330-20-7	1307	R10 Flammable. R20 Harmful by inhalation. S24/25 Avoid contact with skin and eyes.	N/A
n-Butanol	0071-36-3	1120	R10 Flammable. R22 Harmful if swallowed. R37/38 Irritating to respiratory system and skin. R41 Risk of serious damage to eyes. R67 Vapours may cause drowsiness and dizziness. S79 Keep container tightly closed and in a well ventilated place. S13 Keep away from food, drink and animal feed stuffs. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39 Wear suitable gloves and eye and face protection. S46 If swallowed, seek medical advice immediately and show this container or label.	N/A
Iso-Propanol Alcohol	0067-63-0	1219	R43 May cause sensitization by skin contact. R53 May cause long term adverse effect in the aquatic environment. R61 May cause harm to the unborn child. R36 Irritating to eyes. S38 In case of insufficient ventilation, wear suitable respiratory equipment	N/A

Hazards Identification

Emergency Overview : Harmful if swallowed.
Can cause damage to eyes.

Woodlac AC Series is flammable and according to transport regulation a substance of class 4.1. Woodlac AC Series can be ignited by flame, heat, shock, friction, sparks or static electricity. In case of fire, formation of toxic gasses possible. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

First Aid Measures

- General Information** : Remove contaminated clothing immediately and safely dispose.
- Contact with skin** : In case of contact with skin wash off immediately with soap and water and should adverse reaction occur seek medical advice. Un-catalysed product is not corrosive, catalysed product is corrosive.
- Contact with eyes** : In case of contact with eyes rinse thoroughly with plenty of lukewarm water with eyelids held open and seek medical advice. Remove contact lenses if worn.
- Inhalation** : In the event of fire toxic fumes or fire-related gases may form (see section 5.) In this case all persons who may have inhaled such toxic fumes must be removed from the danger area and taken to fresh air. If breathing problems are encountered, administer oxygen, keep at rest and take measures to prevent heat loss. If breathing stops or if there is the slightest indication of this, administer artificial respiration. Call for fastest possible medical help. After inhaling toxic gases, poisoning symptoms may not occur till many hours later; therefore: remain under medical supervision for at least 48 hours.
- Ingestion** : Do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Seek medical advice immediately.

Accidental Release Measures

- Methods of Cleaning up / taking up** : Pick up with absorbent material (e.g. sand, universal binder, sawdust). Treat as "hazardous disposal".
- Avoid sources of ignition. Do not smoke.
Ensure adequate ventilation.
Avoid contact with skin and eyes.
Avoid inhaling vapours.
Use suitable protective equipment / clothing.
Tools made of plastic material must not be used because of their tendency to produce static electricity.
Spilled WoodLac AC Series must be swept up carefully and kept in tightly closed watertight containers for disposal.
For information concerning large spillages of Woodlac AC Series contact manufacturer.

Fire - Fighting Measures

Suitable Extinguishing Media : Carbon Dioxide
Dry Powder
Foam
DO NOT USE WATER JETS.

Keep containers and surroundings cool with water spray. Disperse accumulating vapour with water spray.

Protective Equipment for Fire Fighting: wear full protective clothing and self-contained breathing apparatus.

Beware of darting flames. Drum lids can be blown off.

Burning Woodlac AC Series may produce toxic fumes. The fumes may contain toxic gases. Persons, who may have inhaled toxic gases should lie down and keep still. Call a doctor immediately.

Fire fighters must work from the windward side. They should be equipped with self-contained breathing apparatus and a fully enclosed chemically resistant suit to protect against potentially toxic and irritating fumes.

After the fire is extinguished, material may be unstable and could ignite by itself. Therefore ensure that residual material is thoroughly wetted with water.

Exposure Controls / Personal Protection

Personal Protective Equipment

General Protective Measures : Avoid contact with eyes and skin

Hygiene Measures : Keep away from foodstuffs and beverages.
Wash hands after use
Clean skin thoroughly after work.

Hand protection : Non flammable, antistatic protective gloves

Eye protection : Protective goggles or full face shield.

Respiratory protection : Ensure adequate ventilation.

Body protection : Non flammable, antistatic protective clothing, antistatic protective shoes, conductive flooring.

Physical And Chemical Properties

Appearance

Form : Liquid
Colour : Clear / Amber
Odour : Characteristic Odour (Solvent)

Data Relevant To Safety

Bulk Density : 0.90 – 1.10 grams per cubic centimetre at $\pm 25^{\circ}\text{C}$

Solubility In Water : Woodlac AC Series is not soluble in water.

PH Value : Neutral.

Viscosity : 50 – 70 Sec Ford No4

Flash Point : $23^{\circ}\text{C} >$

Solids : $45 \pm 2\%$

Handling And Storage

Handling : Keep quantity of product in the processing area to the minimum necessary for production.
Avoid contact with strong oxidizing agents.
Ensure adequate ventilation.
Keep away from flame, heat, shock, impact, friction, sparks or static electricity.
No smoking near Woodlac AC Series. Smoking must be prohibited and conspicuous signs posted in all areas where Woodlac AC Series is present.
Keep package tightly closed when not in use.
Move drums under controlled conditions (e.g. Drum trolleys).
Do not drop, slide or bang the drums. When emptying the drum, do not strike, pound or hammer on the drum.

Storage : Storage indoors in a cool, dry and well ventilated place in original containers.
Keep away from heat (e.g. steam pipes, radiators etc.), flame or any source of ignition and direct sunlight. No smoking near Woodlac AC Series. Smoking must be prohibited and conspicuous signs posted in all areas where Woodlac AC Series is present.
Woodlac AC Series should not being stored together with incompatible materials for instance strong oxidizing agents.
Practice "First in / First out" (FIFO) inventory control, using the date printed on the container label. We recommend not to store Woodlac AC Series for longer than a year.
Storage stability: storage period 12 - 24 months

Stability And Reactivity

- Stability** : Stable if properly handled and stored
- Conditions to avoid** : Avoid exposure to heat, shock and friction. Rate of deterioration increases with temperature and time
- Materials to avoid** : Woodlac AC Series decomposes when in contact with oxidizing agents
- Hazardous decomposition Products** : CO, CO₂, Nitrogen oxides and other potentially toxic fumes are possible decomposition products.

Toxicological Information

Acute oral toxicity : (LD50) 2000 milligrams per kilogram

- Species** : Rat
- Irritant effect on eyes** : Irritant
- Risk of serious damage to eyes** : Mild

Woodlac AC Series itself is not toxic. The following values can be given:

- Woodlac AC Series Acute toxicity** : LD₅₀ oral, rat (Wister): . 2000 mg/kg,: No symptoms of poisoning. (DECO Guideline for Testing of Chemicals, No. 401)
- Irritation of the skin / rabbit** : non - irritant (DECO Guideline for Testing of Chemicals, No. 404)
- Irritation of the eyes / rabbit** : non - irritant (DECO Guideline for Testing of Chemicals, No. 405)
- Plasticizer (DBP)** : LD₅₀ oral, rat: > 8000 mg/kg
LD₅₀ dermal, rabbit: > 20000 mg/kg
Irritation of the skin/rabbit: non - irritant
Irritation of the eyes/rabbit: non – irritant
- Additional information** : In case of oral ingestion, toxic side – effects are possible. Animal test indicate possible reproductive effects.

Disposal Considerations

- Product** : In accordance with current regulations; may be taken to waste disposal site or incineration plant, after consultation with site operator and / or with the responsible authority.
- Name of waste** : Solvent-water mixture without halogenated organic solvents.
- Uncleaned packaging** : Packaging which cannot be cleaned should be disposed of as product waste.
- Waste disposal should be in accordance with existing state and local environmental regulations.

Ecological Information

No ecological problems are expected when the product is handled and used with due care.

Transport Information:

- ERG No.** : 130
IMDG No. : 3158
Marine Pollutant : Yes
Class : Class: 3 Flammable Liquid Group: II/III
Subsidiary Risks : None
Trimcard No: : 33/30G35
Hazchem Code : 3 (Y)
EAC : 27
IMDG Packaging : II/III
Group
ECC Hazard : 3
Classification

Regulatory Information

Labeling in accordance with EEC directives:

- Hazard symbols** : F, highly flammable Xn, harmful
- R-phrases.** : R 11 : Highly flammable
R 62 : Possible risk of impaired fertility.
R 63 : Possible risk of harm to the unborn child.
- S – phrases** : S 16 : Keep away from sources of ignition - No smoking.
S 33 : Take precautionary measures against static discharges.
S 36/37/39 : Wear suitable protective clothing, gloves and eye / face protection.

Other Information

Terms of use : This summarises at the date of issue our best knowledge of health, environmental hazard and safety information related to the product, how to safely handle, use, store and transport the product. Since Liquid Colours cannot anticipate or control the conditions in which the product may be handled, used, stored or transported, every user must prior to usage review the MSDS in relation to intended use, storage and transport of the product in the workplace and elsewhere. Such information should be communicated to all relevant parties. If further information is required please contact Liquid Colours.

Liquid Colours shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given. Liquid Colours sole and exclusive warranty is that it's products comply with Liquid colours published chemical and physical specifications in effect at the time of sale. Liquid Colours liability for claim suits is in all cases limited to the purchase price of the particular quantity of product upon which the claim is based. Under no circumstances shall Liquid Colours be liable for loss of profits or any other indirect and consequential loss or damage.