



HMIS Information

Health 1

Flammability 2

Reactivity 0

Personal Protection- A (See Section VII)



Imported by: Outdoor interiors ,LLC

21969 N. Pepper Road

Lake Barrington, IL 60010, US

MATERIAL SAFETY DATA SHEET

MANUFACTURER :**KIEN GIA CO., LTD (HOMEBUILDERS)- Made for Outdoor Interiors, LLC****269 CAY DA HAMLET – TAN PHU TRUNG VILLAGE****CU CHI DISTRICT – HO CHI MINH CITY- VIET NAM****1- COMMERCIAL PRODUCT NAME**

- **Commercial name : LINDSEED OIL**
 - **Normally call name : Preservative oil for garden furniture**
 - **Product usage : Solvent-borne wood varnish**
 - **Manufacturer : Kien Gia Co., Ltd (Homebuilders)**
 - **Tel : 091 99 55 653**
- Fax : 84-8-37965595

2- COMPOSITION AND INFORMATION OF INGREDIENTS

Chemical ingredients	CAS Number	Proportions
- Lindseed Oil	8001-26-1	22.07- 25.01%
- Paraffin Oil	8012-95-1	28- 60 %
- White Spirit Solvent	8052-41-3	4- 7 %
- Additives Fungicidal- Insecticidal	N/A	< 1.0 %
- Drier	N/A	0.1- 1 %

3- TECHNICAL DATA

- Density 0.8630 – 0.8698
- Viscosity (Din cup 4) 14s -17s
- Viscosity (Brookfield) 15.5 cP – 19.5 cP
- Solubility Soluble in petroleum solvent
Insoluble in cold and hot water
- Flash Point 150 °F / 65 °C
- Appearance Amber color liquid
- Odour Oily odour

4- HAZARDOUS INGREDIENTS

Toxic substance effect development of organism. Its cause long-term adverse requirement to natural environment

Flammable liquid

5- HEALTH HAZARD INFORMATION

- **Primary Routes of Entry** : Eye contact , inhalation , ingestion and skin contact

ACUTE HEALTH EFFECTS :

- EYE CONTACT : May cause redness , irritation
- INHALATION : May cause dizziness , headache , nausea
- INGESTION : May cause nausea , irritation or vomiting
- SKIN CONTACT : May cause rash , cracking , dryness or defacing of skin

6- EMERGENCY FIRST AID PROCEDURES :

- First aid for Eye contact : Wash with clean water for at least 15 min get medical attention
- First aid for inhalation : Remove the patient to fresh air . Administer oxygen if breathing is difficult. If the heart is weak or stopped , trained personnel should begin cardiopulmonary resuscitation . Get Medical attention if symptoms persist.
- First aid for ingestion : Do not induce vomiting unless to do so by medical personnel (i.e doctor). Give Large quantities of clean water . Never give anything by mouth to an unconscious person. If vomiting Occurs spontaneously , keep head below hips (if sitting) or to the side (if lying down) to prevent aspiration . Get immediate medical attention .
- First aid for Skin contact : Wash area with soap and water

7- SAFE USE AND PROTECTION DATA

Always use gloves and safety goggles when apply the hardwood oil

Always apply the Teakwood oil in a well ventilated area

- Apply the Teakwood oil outdoors at least 100 ft from any building -

Do not apply Hardwood oil near open fire or combustible material

- Do not apply Teakwood oil in wet weather or in temperature below 50°F or above 95°F

Keep container tightly close when not in use

Wash thoroughly after handling

8- FIRE -FIGHTING MEASURES

Extinguishing media : Recommended : Foam – CO2 – Water fog- Dry chemical

Recommendations : Fire will produce dense black smoke. Appropriate breathing apparatus may be required

9- ACCIDENTAL RELEASE MEASURES

Personal Precautions : Clean up with the appropriate personal equipment (see section 6)

Environment Precautions : Scoop or sweep and transfer into a closed container . Keep waste out of
Sewers

Methods of cleaning up : Scoop or sweep into a container for reuse or disposal

10- HANDLING & STORAGE DATA

Handling :

- Vapour are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.
- In addition , the products should only be used in areas from which all naked lights and other sources of ignition have been excluded . Electrical equipment should be protected exposure limits.

- Keep container tightly closed , keep away from heat , sparks and flame. No sparking tools should be used – Avoid contact with skin and eyes – Eating, drinking and smoking should be prohibited in area where this material is handled, stored or processed . Worker should wash hands and face before eating , drinking and smoking – Put on personal equipment (see section 6)

Storage :

Store in accordance with local regulations . See label precautions . Store in cool, well-ventilated area away from incompatible materials and ignition sources . Keep away from oxidizing agent , strong alkalis and strong acids . No smoking – prevent unauthorized access , Containers that have been opened must be carefully released and kept upright to prevent leakage . Do not empty into drains

11- EXPOSURE CONTROLS AND PERSONAL PROTECTION

- **Personal protective equipment / Respiratory system** : if workers are exposed to concentrations above the exposure limit , they must use appropriate, certificate respirations . Use respiratory mask with charcoal and dust filter when spraying this products ,.In confined spaces , use compressed air or fresh air respiratory equipment. When use of roller or brush , consider use of charcoal filter.
- **Skin and body** : Personnels should wear antistatic clothing made of natural fibres or of high-temperature resistant synthetic fibres.
- **Hands** : For prolong or repeated handling, use gloves .
- **Eyes** : Use safety eyewear designed to protect against splash of liquids

12- STABILITY & REACTIVITIES

- **Stability** : Stable under recommended storage and handling conditions
- Hazardous Polymerization : will not occur
- Burning may produce carbon dioxide and carbon monoxide
- Condition to Avoid : Keep away from heat , sparks , open flame and fire

13- TOXICOLOGICAL INFORMATION

- Exposure to component solvent vapour concentration in excess of the state occupational exposure may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys , liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin . Symptoms and signs include headache , dizziness , tiredness , muscular weakness , drowsiness and in extreme cases , loss of consciousness . If splashed in the eyes , the liquid may cause irritation and reversible damage .

14- ECOLOGICAL INFORMATION

- There is no data available on the preparation itself
- Do not allow to enter drains or watercourse
- This product has no known eco-toxicological effects

15- DISPOSAL CONSIDERATIONS

- Waste disposal method : Rags and absorbent material should be immersed in water. Dispose of in accordance with all federal , state and local regulations

16- TRANSPORTATION INFORMATION

- Proper Shipping Name : Coating solution
- DOT Hazard Class : Non hazardous
- Label : None
- Hazard Symbol : None
- Packing Group III

17- OTHER INFORMATION :

Disclaimer :

Kien Gia-Homebuilders believes , to be best knowledge, information and belief , the information contains herein to be accurate and reliable as of the date of this MSDS .However, because the conditions of handling , use and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these material and make no warranty , expressed or implied , regarding the accuracy or reliability of data or results obtained from their use. All materials may present unknown hazards and should be used with caution.The information and recommendations in this MSDS are offered for the user's consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal , state and local laws and regulations

Prepared Date : 19-09-2016

Printed Date : 06-10-2016

Reference Number : HWFO-2016