

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

# MATERIAL SAFETY DATA SHEET

## FORMBY'S® TUNG OIL FINISH-HIGH GLOSS

**The Thompson's Company**  
825 Crossover Lane  
Memphis, TN 38117  
(901) 685-7555 Non Medical, Product Information (Day)

**Emergency Numbers:**  
Transportation (DOT) Emergency Only -  
Chemtrec (800) 424-9300  
Medical Emergency Only - (800) 228-5635 Ext. 218

I.D. #: 260315

TUNG-OIL ALKYD RESIN

VENDOR: THOMPSON & FORMBY'S

### SECTION I

Product Type: Tung Oil-Alkyd Resin Solution

Product Name: FORMBY'S® TUNG OIL FINISH-HIGH GLOSS

Product Class: Modified Soya Tung Alkyd Resin-Finish

Product Composition: Proprietary Mixture

### SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS#	APPROX. % BY WT.	TLV	PEL
Aliphatic Petroleum Distillate (Mineral Spirits)	64742-88-7	70.0	100 ppm	500 ppm

### SECTION III - PHYSICAL DATA

BOILING POINT (°F)	300-430	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	.850
VAPOR PRESSURE (mm Hg.)	2.0	WEIGHT PER GALLON	7.80
VAPOR DENSITY (Air=1)	4.9	VOLATILE ORGANIC CONTENT	
EVAPORATION RATE (Ethyl Ether=1)	70.0	(grams per liter less water)	595 g/l
		PERCENT VOLATILE BY WEIGHT	70.0

APPEARANCE AND ODOR: Clear liquid - amber color.

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION OSHA - Combustible Liquid-Class II DOT - Combustible Liquid	FLAMMABLE LIMITS FLASH POINT (Method Used): (37°C) >101°F (Seta Flash)	Lel	1.0
EXTINGUISHING MEDIA: Foam, Carbon Dioxide or Dry Chemical.			
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with full face mask operating in pressure demand or positive pressure mode, when fighting fires.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot light, other flames and ignition sources at locations distant from material handling point.			

## SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Eye - can cause irritation, redness, tearing, blurred vision. Skin - prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. Breathing - excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possibly unconsciousness, and even asphyxiation. Swallowing - can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs cause chemical pneumonitis which can be fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known.

PRIMARY ROUTE(S) OF ENTRY: Dermal and inhalation

TOXICITY INFORMATION: PEL - 500 ppm, TLV - 100 ppm

EMERGENCY AND FIRST AID PROCEDURES: Skin: thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Eyes: flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention. Swallowing: do not induce vomiting, keep person warm, quiet, and get medical attention. Aspiration of material into the lungs due to vomiting cause chemical pneumonitis which can be fatal. Breathing: if affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet, and get medical attention.

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		HAZARDOUS POLYMERIZATION	WILL OCCUR	X
	STABLE	X		WILL NOT OCCUR	

CONDITIONS TO AVOID: Keep away from heat, spark, flames and other sources of ignition.

INCOMPATIBILITY (Materials to avoid): Oxygen and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide and Carbon Monoxide.

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Handle as a combustible liquid. Absorb with sand, clay or other absorbent materials. Eliminate ignition sources.

WASTE DISPOSAL METHOD: Place in closed containers. Rags and absorbent materials should be immediately immersed in water. Dispose of in accordance with local, state and federal regulations governing combustible waste.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): If TLV is exceeded then use NIOSH/MSHA approved respirator.

VENTILATION: Use with adequate ventilation to prevent exceeding TLV.

PROTECTIVE GLOVES: Hydrocarbon-insoluble rubber or plastic.

EYE PROTECTION: Safety glasses or goggles are recommended when transferring bulk liquid.

OTHER PROTECTIVE EQUIPMENT: None required.

HYGIENIC PRACTICES: Avoid skin contact. Wash contaminated skin and clothing in soap and water.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers closed. Store and use away from high temperature, sparks or open flame. Ground containers when pouring and limit free fall to a few inches to prevent static sparks. Use only with adequate ventilation.

OTHER PRECAUTIONS: Avoid prolonged and repeated breathing of vapor or contact with skin. Resin accumulations (such as spray booth cleanings) may spontaneously ignite. Immerse accumulations in water.

KEEP OUT OF REACH OF CHILDREN.