

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: **Filltite Wood Hardener**
Company: **Tembe Diy Products Ltd, Doncaster, DN9 3GN**
Chemical Name & Synonyms: Contains Propan-2-one.
For Information: 01302 770234 (9.00 AM - 5.00 PM)
In an Emergency: As above

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components:	Cas Number	Percentage
Propan-2-one	67 - 64 - 1	50 - 80 %

3. HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes and skin. May cause sensitisation by skin contact. Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking. Leaks of vapour or spills of liquid can readily form flammable mixtures at or above the flash point.

4. FIRST AID MEASURES

Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion.

Eye: Flush eyes with large amounts of water for at least 15 minutes until irritation subsides. Get medical assistance.
Skin: Flush with large amounts of water, use soap if available. Remove contaminated clothing, including shoes, and launder before re-use.
Ingestion: If swallowed. DO NOT induce vomiting. Keep at rest. Get prompt medical attention.
Inhalation: Using approved respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention.
First Aiders should protect themselves from exposure (Ref to Section 8).

5. FIRE FIGHTING MEASURES

Use water spray to cool surfaces exposed to fire and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water to disperse the vapours and to protect people attempting to stop the leak. Either allow the fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with alcohol resistant foam.

Avoid spraying water directly into storage containers due to danger of boil over. Containers may explode if exposed to fire.

Hazardous Decomposition Products: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL - Eliminate sources of ignition. Warn occupants in downwind areas of fire and explosion hazard. Prevent liquid from entering sewers, watercourses or low areas. Keep public away. Shut off source if possible to do so without hazard. Advise police if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimise the effect on the ground water. Contain spilled liquid with sand or earth. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycling or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL - Eliminate sources of ignition. Warn occupants and shipping in downwind areas of fire and explosion hazard and request them to stay clear. Notify port or relevant authority and keep public away. Shut off source if possible to do so without hazard. Confine if possible. Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.
Refer to section 5, 8 and 13 for Protective Measures and Disposal.

7. HANDLING AND STORAGE

Keep container closed. Handle and open containers with care. Store in a cool, well-ventilated place away from incompatible materials. DO NOT handle or store near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Material will accumulate static charges, which may cause an electrical spark (ignition source). Use proper grounding procedures. DO NOT pressurise, cut, heat or weld containers. Empty product containers may contain product residue. DO NOT re-use empty containers without commercial cleaning or reconditioning. Container remains hazardous when empty. Continue to observe all precautions. For further information on this product see manufacturers data sheet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS. 8 Hr TWA 1210mg/m³ STEL(15 mins) 3620mg/m³

The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or otherwise to maintain ambient concentration below recommended threshold exposure limits.

Eye: For open systems where contact is likely, wear safety glasses with side shields.
Skin: Where contact may occur, wear long sleeves and chemical resistant gloves. Wash at the end of each work shift and before using the toilet. Wash promptly if skin becomes wet. Promptly remove any clothing that becomes wet or contaminated. Isolate contaminated clothing and wash before reuse.
Inhalation: Approved respirators may be necessary to prevent over exposure by inhalation.
Ingestion: Wash hands thoroughly before eating or smoking.

9. <u>PHYSICAL/CHEMICAL PROPERTIES</u>			
Appearance:	Clear Colourless Liquid	Odour:	Sweet odour
Viscosity:	Non Viscous	Specific Gravity:	0.86 g/cm ³
Boiling Point/Range:	56-57°C	Melting Point/Freezing Point:	-95.00°C
Flash Point:	-18 °C	Flammability:	Highly Flammable
Auto-Flammability:	465°C	Explosive Properties:	2.5 – 12.8 (% Vol)
Oxidising Properties:	N/A	Vapour Pressure:	185mm @ 20 °C
Evaporation Rate:	Moderate	Solubility:	100.00wt%
pH:	N/A	Partition Coefficient:	N/A
Di-Electric Strength:	N/A	Additional Information:	
10 <u>STABILITY AND REACTIVITY</u>			
Stability:	Stable		
Materials to Avoid:	Strong Oxidising Agents, Chloroformates.		
Hazardous Decomposition:	Oxides of Carbon		
Hazardous Polymerisation's:	No		
11. <u>TOXICOLOGICAL INFORMATION</u>			
Oral:	Small amounts of liquid aspirated into respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.		
Inhalation:	Vapour concentrations above recommended exposure are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects.		
Eyes:	Irritating, and will injure eye tissue if not removed promptly.		
Skin:	Low order of toxicity. Frequent or prolonged use may irritate and cause dermatitis.		
12. <u>ECOLOGICAL INFORMATION</u>			
This substance is water-soluble and is readily absorbed into soil. This substance biodegrades rapidly and is “readily” biodegradable. No bioaccumulation potential.			
13. <u>DISPOSAL CONSIDERATIONS</u>			
The following advice only applies to the product as supplied. Combination with other materials may well indicate another route of disposal. If in doubt, contact Local Authorities. Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with EU, national and local regulations. This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.			
14. <u>TRANSPORT INFORMATION</u>			
UN No: 1090, ADR Class: 3, Hazard ID No: 33, Labelling: 3.			
15. <u>REGULATORY INFORMATION</u>			
Labelling:	Highly Flammable, Irritant		
Risk Phrases:	R11	Highly Flammable	
	R36	Irritating to eyes	
	R66	Repeated exposure may cause skin dryness or cracking.	
	R67	Vapours may cause drowsiness and dizziness.	
Safety Phrases:	S1/2	Keep locked up and out of reach of children.	
	S9	Keep container in a well ventilated place.	
	S16	Keep away from sources of ignition – No smoking	
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	
	S37/39	Wear suitable gloves and eye face protection.	
	S46	If swallowed, seek medical advice immediately and show this container or label.	
16. <u>OTHER INFORMATION</u>			
Our ref:	Filltite Wood Hardener.		
Date of Preparation:	June 2010		
The information contained within this document is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determinations of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees customers.			
<p>Tembe Diy Products Ltd 13 Delta Court, Sky Business Park, Doncaster, South Yorkshire, DN9 3GN TEL: 01302 770234 FAX: 01302 623210</p>			