



BERGER PAINTS TRINIDAD LIMITED

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### 1 – Product Identification

Product Name: WOODTECH Heavy Duty varnish (Part A)  
Product Description: Two Pack Polyurethane  
Product Code: I2500

### 2 – Hazards Identification

Hazards identification of the preparation:

R-10	Flammable
R-20/21	Harmful by inhalation and in contact with skin
R-38	Irritating to skin

### 3 - Composition

	<u>Weight%</u>	<u>CAS Number</u>	<u>LEL Vol%</u>	<u>ACGIH TLV-TWA</u>
• Acrylic Resin	< 40	NON / HAZ	NA	NA
• Titanium Dioxide	< 30	13463-67-7	NA	10 mg/m <sup>3</sup>
• Iron Oxide	< 8	1309-37-1	NA	10 mg/m <sup>3</sup>
• Black	< 1.5	1333-86-4	NA	
• Copper Phthalocyanine	< 2	147-14-8	NA	
• Copper Phthalocyanine Chlorinated	< 2	1328-53-6	NA	
• Crystalline Silica	< 15	14808-60-7	NA	0.1 mg/m <sup>3</sup>
• Xylene	< 35	1330-20-7	1.2	100 ppm
• 2-Ethoxy Ethyl Acetate	< 6	111-15-9	1.7	5 ppm

**4 – First Aid Measures**

- First Aid - Inhalation : Remove to fresh air. If rapid recovery does not occur, obtain medical attention.
- First Aid - Skin : Remove contaminated clothing immediately. Wash skin thoroughly with soap and water.
- First Aid - Eye : Irrigate copiously with clean, fresh water for atleast 10 minutes, holding the eye lids apart and seek medical advice.
- First Aid - Ingestion : Do not induce vomiting. Obtain immediate medical attention.

**5 – Fire Fighting Measures**

- Specific hazards : Fire will produce dense, black smoke. Inhalation of decomposition products may cause serious health hazards
- Extinguishing media : Water spray-mist, foam, dry chemical powder, carbon dioxide, sand.
- Unsuitable extinguishing media : Water in a jet.

**6 – Accidental Release Measures**

- Personal precautions : Avoid contact with skin and eyes. Do not breathe vapour. Extinguish naked flames. Remove ignition sources.
- Avoid sparks.
- Personal protection : Wear PVC gloves, safety boots. Wear full face-piece respiratory with organic vapour canister NPF 400. In a confined space, wear self-contained breathing apparatus



open circuit type NPF 2000.

Environmental precautions : Prevent contamination of soil and water.

Processing for Cleaning/

Collecting : Contain and collect spillage with non-combustible absorbent materials, e.g., sand, earth or spill control material and place in a container for disposal according to local regulation

## 7 – Handling and Storage

Avoid prolonged or repeated contact with skin. Do not breathe vapour, spray/mist.

Extinguish any naked flames. Remove ignition sources. Avoid spark. Do not smoke.

Take precautionary measures against static discharge.

Handling temperature : Ambient

Storage : Keep container tightly closed and in a well ventilated place. Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas.

Storage temperature : Ambient

## 8 – Exposure Controls/Personal Protection

Engineering Control measures : Use only in well ventilated areas.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection : PVC Gloves. Barrier creams may help to protect the exposed areas of the skin.



Eye protection : Use safety eyewear designed to protect against splash

## 9 – Physical and Chemical Properties

Physical state	: Liquid
Odour	: Like organic solvents
<u>Safety related information</u> :	<u>Value</u>
Flash Point	23 - 29°C (Abel closed cup)
Ignition temperature	> 350°C
Initial Boiling Point	137°C (Based on Xylene)
Vapour Density (Vs. Air)	Heavier
Evaporation Rate (Vs. n-Bu. Acetate)	Slower
Density at 25°C	1.1 - 1.4 gm/cc
Solubility in water	Negligible

## 10 – Stability and Reactivity

Stability	: Stable under normal conditions.
Conditions to avoid	: Heat, flames and sparks. Caustic soda induce a vigorous polymerisation at a temperature around 200°C
Materials to avoid	: Strong Oxidising agents. Caustic Soda
Hazardous decomposition products	: Unknown

## 11 – Toxicological Information

Basis for assessment	: This product was not tested but the information given is based on the known toxicological data of the constituents
Acute toxicity - oral	: LD 50 expected to be > 2000 mg/kg based on Xylene



Acute toxicity - dermal : LD 50 expected to be > 2000 mg/kg based on Xylene  
Eye irritation : The liquid splashed in the eyes may cause irritation.  
Skin irritation : Irritant

**12 – Ecological Information**

Avoid contamination of earth, rivers, lakes or sewages

Water contamination class : 2 (self classification)

**13 – Disposal Considerations**

Precautions : Refer to Section 7  
Waste disposal : Recover or recycle if possible. Otherwise incineration.  
Container disposal : Allow the residue to dry and dispose of as scrap metal

**14 – Transportation Information**

UN Number : 1263  
IMCO Class : 3.3  
Page Number : 3149  
Marine Pollutant : Yes  
Proper shipping name : Paint

**15 – Regulatory Information**

- EC Classification : Flammable, Harmful
- Contains : Xylene
- EC Risk phrases
- R-10 : Flammable.



R-20/21 : Harmful by inhalation and in contact with skin

R-38 : Irritating to skin

- EC Safety Phrases

S-24 : Avoid contact with skin

S-25 : Avoid contact with eyes

S-36/37 : Wear suitable protective clothing and gloves

S51 : Use only in well ventilated areas.

#### 16 – Other Information

**DISCLAIMER :**

*The information in this MSDS is given in good faith and to the best of our knowledge. It may not be valid for such material used in combinations with any other materials or in any process. No representation, warranty or guarantee is made due to its accuracy, reliability or complaints. We do not accept liability for any loss or damage that may occur from the use of this information*