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1 - Product Identification

Product Name: **WOODTECH Heavy-Duty Clear Varnish**
Product Description: Two Pack Epoxy Based Varnish
Product Code: 2066/2063

2 - Hazards Identification

HMIS Rating: Health = 2 Flammability = 3 Reactivity = 0

2.1 Skin Contact

Frequent or prolonged contact may irritate and cause dermatitis
Low order of toxicity
Skin contact may aggravate an existing dermatitis condition

2.2 Eye Contact

Slightly irritating but not injurious to eye tissue.

2.3 Inhalation

High vapour/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness and other central nervous system effect, including death.

3 - Composition

Composition of Base	CAS#	Concentration%
Epoxy Resin		53
Epoxy Resin	25036-25-3	75
Methyl Ethyl Ketone	108-10-1	16
Xylene	1330-20-7	9
Ethylbenzene	100-41-4	<2
Xylene	1330-20-7	27
Propylene Glycol Methyl Ether	107-98-2	20
Composition of Hardner/Converter		
Epoxy Curing Agent		46
Polyethylenepolyamines	68410-23-1	70-100
Triethylenetetramine	112-24-3	5-10
Xylene	1330-20-7	54

4 - First Aid Measures

4.1 Skin Contact

Flush immediately with large amounts of water, use soap if available. If irritation persists seek medical attention.
Remove contaminated clothing and shoes and launder before reuse. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse.

4.2 Eye Contact

Flush eyes immediately with large quantities of water for 15 minutes and seek medical attention.

**4.3 Inhalation**

Move victim to a ventilated area immediately. If coughing, difficulty in breathing or any other respiratory symptoms develop seek medical attention at once.

4.4 Ingestion

If ingested, do not induce vomiting. Seek medical attention immediately. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

5 - Fire Fighting Measures**5.1 Stability**

Stable product, will not autoignite under normal conditions.
Autoignition temperature of the MIBK is 60°F. Flammable limits: LEL=1.1; UEL=8.0

5.2 Fire Fighting

Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire.
Use "alcohol" foam, dry chemical, carbon dioxide or water spray to extinguish fire. Avoid spraying water directly into storage containers due to danger of boilover.

5.3 Advice to Fire Fighters

Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.
Incomplete combustion can yield carbon monoxide and toxic vapours.

6 - Accidental Release Measures**6.1 Land Spill**

Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as sawdust, to eliminate focus of possible ignition, and place material into a closed container. Wear protective equipment during clean up.
If large spillage occurs, dike the area to prevent this material from entering water systems or sewers. Warn authorities and residents of affected zones of fire and explosion danger. Prevent Contamination of soil, vegetation and subterranean water.

6.2 Water Spill

Remove all sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear.
Remove from surface with suitable absorbents. If allowed by local and environmental authorities, sinking and/or suitable dispersants may be used in non-confined waters.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

7 - Handling and Storage**7.1 Storage Temperature**

Ambient
Warning! Flammable liquid. Keep liquid and vapour away from heat, sparks and flame. Surfaces that are sufficiently hot may ignite even liquid product in absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapours are gone. Vapours may accumulate and travel to ignition sources distant from the handling site; flash fire can result.

7.2 Storage and Transport Pressure (mmHg)

Atmospheric

7.3 Storage and Handling

Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place. Do not handle or store near open flame, heat or other sources of ignition. Protect material from direct sunlight.



Do not cut, drill, grind. Weld or perform similar operations on or near containers. Do not pressurize drum containers to empty them. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

Warning! May cause skin and eye irritation. May cause skin sensitization. May cause CNS (Central nervous System) depression. Avoid prolonged or repeated inhalation of heated vapours or spray mists. Avoid prolonged or repeated skin contact. Excessive exposure to vapours or spray mists can result in headache, dizziness, uncoordination, nausea and loss of consciousness.

8 - Exposure Controls/Personal Protection

8.1 Exposure Controls

Composition No	OSHA		ACGIH		OTHER
	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	
P	None established				
2	50 ppm		50 ppm	75 ppm	75 ppm
3	100 ppm		100 ppm	150 ppm	150 ppm
3A	100 ppm		100 pm	125 ppm	125 ppm

Use only with adequate ventilation. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Eye wash fountains and safety showers should be available for emergency use.

8.2 Respiratory Protection

Avoid prolonged or repeated breathing of vapours or mists. If exposure may or does exceed occupational exposure limits use a NIOSH-approved respirator to prevent overexposure. In accordance with 29 CFR 1910.134 use either an atmosphere-supplying respirator or air-purifying respirator for organic vapours.

Avoid breathing vapours which may be produced under some conditions such as heating or applications of uncured material in large surface areas (eg flooring and painting). Avoid breathing aerosols and mists which may be formed by various methods of application

8.3 Protective Clothing

Avoid contact with eyes. Wear chemical goggles if there is likelihood of contact with eyes.

Avoid contact with skin and clothing. Wear chemical resistant gloves.

9 - Physical and Chemical Properties

Physical State	Liquid
Colour	Amber
Specific Gravity Base	1.0 - 1.1 Kg/L
Specific Gravity Hardner	0.9 - 1.0 Kg/L
Boiling Point (Range)	Not Available
Vapour Pressure	40 mm Hg @ 70° F
Melting Point	Not Available
Flash Point	60° F
Water Solubility	Slight
Viscosity Base	17 - 21 sec
Viscosity Hardner	45 - 55 KU (150 - 200 cPs)
Odour	Ketone odour

10 - Stability and Reactivity

10.1 Stability

Stable

10.2 Reactivity

No data available

10.3 Hazardous Polymerization



Will not occur

10.4 Incompatibility

Avoid heat, sparks flame and contact with strong oxidizing agents, strong lewis or mineral and organic bases, especially primary and secondary aliphatic amines. Reaction with some curing agents may produce considerable heat.

10.5 Hazardous Decomposition Products

Carbon Monoxide, aldehydes, acids and other organic compounds may be formed during combustion

11 - Toxicological Information

Chronic Toxicity - Not Available

No	Acute Oral LD50	Acute Dermal LD50	Acute Inhalation LD50
P	No Data Available		
1	30 g/Kg (Rat)	> 3 g/Kg (Rat)	No Data Available
1	20 g/Kg (Mouse)		
2	2.08 g/Kg (Rat)	> 20 g/Kg (Rabbit)	2000 ppm/4H 0/6 Deaths (Rat)
2			4000 ppm/4H 6/6 Deaths (Rat)
3	4.3 g/Kg (Rat)	> 3.95 g/Kg (Rabbit)	6700 ppm/4H (Rat)

12 - Ecological Information

Ecotoxicity Data - Not Available

13 - Disposal Considerations

Use non-leaking containers, seal tight and label properly. Dispose of in accordance with applicable local, county, state and federal regulations.

14 - Transportation Information

14.1 Land Transport (ADR/RID)

ADR/RID Class: Flammable liquid
Danger Code (Kemler): 30
UN number: 1866
Packaging Group: III
Hazard label: 3

14.2 Maritime Transport (IMDG)

IMDG class: 3
UN Number: 1866
Hazard Label: 3
Packaging Label: III
EMS number: F-E, S-E
Maritime Pollutant: No

14.3 Air Transport (ICAO-TI and IATA-DGR)

ICAO-TI/IATA-DGR: 3
UN Number: 1866
Hazard Label: 3
Packaging Group: III
Proper Shipping Name: Alkyd-Based Enamel Paint

15 - Regulatory Information



EU Regulations

15.1 Risk Phrases

- R10 Flammable
- R66 Repeated exposure may cause skin dryness and cracking
- R67 Vapours may cause drowsiness and dizziness

15.2 Safety Phrases

- S61 Avoid release to the environment. Refer to special instructions/Safety Data Sheet

16 - Other Information

- S1/2 Keep locked up and out of reach of children.
- S27/28 Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water.
- S29/35 Do not empty into drains. This material and its container must be disposed of in a safe way.

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