



TECHNICAL DATA SHEET

PRODUCT : **POLYVINE INTERIOR HEAVY DUTY WOOD VARNISH**

PRODUCT DESCRIPTION

Polyvine Interior Heavy Duty Wood Varnish is a white homogeneous liquid, which is composed of a water based dispersion of cross-linking polyurethane acrylic copolymer with surfactants, waxes, and rheology modifying agents.

Polyvine Interior Heavy Duty Wood Varnish is ideal for use on: wood surfaces; tables, bookshelves, chairs, desks, kitchen cabinets, work surfaces, to give an extremely hard clear protective coating with a high degree of heat, water, chemical and abrasion resistance.

Dries to a satin finish, which is capable of withstanding heavy wear and abrasion after one day drying and curing, in such areas as Homes, Hotels, Restaurants and Bars.

SURFACE PREPARATION

Ensure the surface to be coated is clean and free from grease, wax or polish. White spirit or sugar soap should be used as cleaning agents. Sugar soap should be rinsed off well with clean water and allowed to dry. If water has been used on bare wood this would raise the grain. The surface then needs to be sanded and vacuumed before coating. Newly painted wood should first be sanded to provide a key. Interior Heavy Duty Wood Varnish should not be applied over uncured oil base paint as this may cause discoloration. Older painted wood, where the paint itself may fail, should be stripped using a hot air gun or a chemical paint stripper, sanded and cleaned prior to coating. When applied over an emulsion/latex paint, it is possible that Interior Heavy Duty Wood Varnish can draw certain stains through the paint which were not otherwise visible. In this case a stain sealer should be used.

APPLICATION

Interior Heavy Duty Wood Varnish can be applied by brush, spray or roller. Apply 2 or 3 coats. On softwood, light sanding in between coats may be necessary, if there is any raising of the grain. Allow 2 hours in between coats and 24 hours after final coat before full use. Do not use in temperatures below 5degrees C/40degrees F or in very high humidity. Lower temperatures will slow the final cure time.

COVERAGE

Up to 20sqm/L---200sqft/USQT per coat depending upon the porosity of the substrate.

CLEAN UP

Any equipment used can be cleaned using soap and water before the clear coat dries. Wipe any excess off surfaces with a damp cloth. Any dried deposits will need a paint stripper to remove them.

Resistances to:	Polyvine Interior Heavy Duty Wood Varnish (pu/ac)	Brand Leader Varnish (pu/ac)	Acrylic Varnish	Spirit Based Varnish (pu)
Ethanol	5	4+	0	4+
Tea	5	4+	3	4+
Coffee	4	3+	4	3+
Detergent	5	5	1	5
Hot wet pan	5	3	0	5
Other Properties				
Non yellowing	5	3	5	3
Hardness	5	5	2	5
Clean up	5	5	5	0
Time to full cure (50% rh. 20 Degrees C)	16hrs	24-48 hrs	5days	2days

0 = poor. 5 = good.

FILM PROPERTIES

DRY FILM: Satin

DRYING TIME: approx. 30 minutes @ 20degrees C / 70degrees F

CURE TIME: approx. 16 hours @ 20degrees C / 70degrees F

HARDNESS: approx. 150 sec Konig hardness

BHMR: excellent @ 16hours

NON YELLOWING

RESISTANT TO: Water, tea, coffee, alcohol, detergent, wet hot pans, etc.

PACKAGING

1L, 2L, 4L. US Quart, US gal. Plastic containers.

STORAGE

Store in unopened containers in a cool dry place away from direct sunlight.

HEALTH SAFETY AND THE ENVIROMENT

Non-hazardous. Ensure good ventilation. Keep out of reach of children. Contact with eyes-wash immediately with warm water. Remove excess from tools and mixing vessels before washing in warm soapy water. Do not empty containers into drains or watercourses.

The information supplied herein is accurate to the best of our knowledge. Since conditions and methods are beyond our control, no warranty is expressed or implied. You are advised to assess the suitability of the product on a test area before application

Further information may be obtained from:

POLYVINE LIMITED
Severn Distribution Park
Sharpness, Berkeley,
Gloucestershire.
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United Kingdom

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Date of issue: October 2009

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT **HEAVY DUTY INTERIOR VARNISH**

COMPANY: **Polyvine Limited**, Severn Distribution Park, Sharpness, Berkeley, Glos. GL13 9UQ UK
Emergency Telephone 0845 017 1671 International +44 845 017 1671

2. COMPOSITION

Chemical characterisation:	Urethane/Acrylic		
CAS No:	Names:	Conc.:	Symbol
872-50-4	N-Mthyl-2-Pyrollidone	>1%	Xi
121-44-8	Triethylamine	>1%	F,C

3. HAZARDS IDENTIFICATION

On available data this product has no hazard classification according to 88/379/EEC.

4. FIRST AID MEASURES

GENERAL: Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek proper medical attention. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air, keep patient warm and at rest if breathing is irregular or stopped, administer artificial respiration. Giving nothing by mouth. If unconscious place in recovery position and seek medical advice.

EYE CONTACT: Holding eyelids apart, flush copiously with clean, fresh water for at least 10 minutes and seek medical advice.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleaner.

DO NOT use solvents or thinners.

INGESTION: If accidentally swallowed obtain medical attention. Keep at rest. DO NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Aqueous dispersions will not burn. Dried films are combustible and may emit noxious fumes. Water, foam, carbon dioxide or dry powder extinguishers are all suitable. Wear breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spillage should not be washed into any drain. Spillage should be soaked up with an inert absorbent (e.g. sand) for disposal.

7. HANDLING AND STORAGE

HANDLING

This product should be handled in accordance with good safety and hygiene practices. Small levels of volatile organic compounds may accumulate in the headspace of containers, which should be opened in ventilated surroundings.

STORAGE Sealed containers should be stored between 5 C and 40C. Bulk tanks should be externally vented.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS

Local exhaust ventilation may be required in circumstances where the product is sprayed, heated or dried.

PERSONAL PROTECTION

Respiratory	-	Masks, when spraying
Hand	-	Gloves, if risk of skin contact
Eye	-	Goggles, if risk of splashing
Skin	-	Standard industrial overalls if splashing

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	-	Milky liquid
Odour	-	Mild
PH	-	8.0
Boiling point	-	Approx. 100C (as water)
Flammability and Autoignition temp		N/A
Vapour pressure	-	23 mbar as water
Water solubility	-	Fully miscible
Relative density	-	Approx. 1.03 at 20 C (ISO 8962)

10. STABILITY AND REACTIVITY

This product is stable under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

INHALATION - May be irritating to respiratory system

INGESTION - May be harmful if swallowed

SKIN CONTACT- may cause skin irritation

LONG TERM EXPOSURE - No information available

12. ECOLOGICAL INFORMATION

Do not empty into waters and drains.

13. DISPOSAL INFORMATION

Product recommendation: Do not allow into drains or watercourses.

Empty containers are to be disposed according to official rules.

Contaminated packaging recommendation: Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to approved recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

14. TRANSPORT INFORMATION

This product is not classified hazardous for transportation.

15. REGULATORY INFORMATION

EEC Hazard Classification - None

The product contains only substances, which are on the European Inventory of Existing Chemical Substances (EINECS).

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is based on data provided by sources considered to be reliable. This data is intended to enable safety assessment to be made and should not be construed as guaranteeing specific properties. Users are recommended to consult technical information sheets for advice on specific applications.

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Date of issue: October 2005