

SAFETY DATA SHEET Prepared in accordance with GHS

Product Code: WB-5-4043N-MTHN-01
Revision no.: 0

Initial preparation date: 20-Jul-23
Revision date: 20-Jul-23

SECTION 1 - IDENTIFICATION

Product Identification : **WB-5-4043N-MTHN-01**
Product Description : Water-borne Stain
Intended Use : Wood Coatings
Limited Use : None

Company Name : **POLY-POXY COATINGS VIETNAM CO., LTD**
Address : No. 11 VSIP, Street No.2, Vietnam Singapore Industrial Park, Binh Hoa, Thuan An, Binh Duong, Vietnam.
Telephone : +(84) 274 3712 127/ 128
Fax : +(84) 274 3712 129
E-mail : mtds@poly-poxy.com
Website : www.poly-poxy.com
Emergency Telephone : +(84) 274 3712 127/ 128

SECTION 2 - HAZARDS IDENTIFICATION

GHS Hazard Class

- Physical Hazards : Flammable Liquid Not Classified
- Health Hazards : Acute Oral Toxicity Not Classified
Acute Dermal Toxicity Not Classified
Acute Inhalation Toxicity Not Classified
Skin Corrosion/ Irritation Not Classified
Serious Eye Damage/ Eye Irritation Not Classified
Respiratory/ Skin Sensitization Not Classified
Germ Cell Mutagenicity Not Classified
Carcinogenicity Not Classified
Reproductive Toxicity Not Classified
Specific Target Organ Toxicity Single Exposure Not Classified
Specific Target Organ Toxicity Repeated Exposure Not Classified
Aspiration Hazard Not Classified
- Environmental Hazards : Hazardous To The Aquatic Environment (Acute) Not Classified
Hazardous To The Ozone Layer Not Classified

Label Elements

- Signal Word : Not applicable.
- Pictograms : Not applicable.
- Hazard Statements : Not applicable.

Precautionary Statements

- Prevention : Not applicable.
- Response : Not applicable.
- Storage : P403 + P235 - Store in a well-ventilated place. Keep cool.
- Disposal : P501 Dispose of contents/container in accordance with local regional/national/international/regulation.

Other Hazards : None – identified.

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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture

Ingredients	CAS No.	Concentration/Concentration Range (%W/W)
Aqueous dispersion of a modified PU polymer based on acrylic ester and methyl acrylic ester.	-	<45
Pigment	1333-86-4	<5
Additives (Wetting) & Dispersing	134180-76-0	<0.1
IPBC	55406-53-6	<0.01
CMIT/MIT	55965-84-9	<0.0015

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require, reporting in this section. Exact concentration of composition has been withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

First Aid

- Eye Contact : In case of contact with eyes rinse thoroughly with plenty of water. If discomfort persists, seek medical advice.
- Skin Contact : In case of contact with skin, remove contaminated clothing, wash skin with soap and water. Consult a doctor if skin irritation persists.
- Inhalation : Ensure supply of fresh air. In the event of symptoms, seek medical advice.
- Ingestion : Rinse out mouth and give water to drink, do not induce vomiting. If discomfort persists, seek medical advice.

Symptoms And Health Effects : No data.

Advice To First Aider : No data.

Advice To Doctor : No data.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media : Dry powder, foam or carbon dioxide fire extinguishing agent.

Special Hazards : Non - Flammable liquid and if burning can produce carbon monoxide (CO) and carbon dioxide (CO₂).

Fire Precautions And Protective Measures : Full protective clothing and self-contained breathing apparatus. Ensure cooling of equipment at fire scene until fire is extinguished. Isolate the scene and prohibit access to the accident location. Fire residues and contaminated firefighting medium must be disposed-in accordance with the local regulations.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures : Wear suitable personnel protective equipment. Ensure adequate ventilation. Avoid contact with release. Isolate source of release.

Environmental Precautions : Do not discharge into drains/surface waters.

Methods To Contain And Eliminate Leaked-Chemical Products and Disposal Material To Be Used : Absorb spillage with inert absorbent material, collect spilled paste in sealable containers and transfer to safe place.

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Refer to Section 8 for additional personal protection information.
 Refer to Section 13 for disposal considerations.

SECTION 7 - HANDLING AND STORAGE

Handling Measures

- Advice On Safe Handling : Operator should undergo specialized training and strictly adhere to the operating procedures.
- Advice On Protection Against Fire and Explosion : Keep away from sources of ignition. Do not smoke when using the product.

Storage Measures

- Requirements For Storage : Keep container sealed. Store in a cool, ventilated place.
- Advice On Storage Compatibility : Do not store with combustible materials, oxidizing agents, strongly acidic or alkaline materials.
- Further Information On Storage Conditions : Protect from heat/overheating. Keep in a cool and dry place. Do not store below 0°C (32°F).

Refer to Section 6 for clean-up of spillages.
 Refer to Section 8 for exposure controls.
 Refer to Section 13 for disposal considerations.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits : Please refer to the table below

Ingredients	CAS No.	Exposure Limit			
		TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Aqueous dispersion of a modified PU polymer based on acrylic ester and methyl acrylic ester.	-	-	-	-	-
Pigment	1333-86-4	-	3	-	-
Additives (Wetting) & Dispersing	134180-76-0	-	-	-	-
IPBC	55406-53-6	-	-	-	-
CMIT/MIT	55965-84-9	-	-	-	-

- Engineering Control : Ensure adequate ventilation on workstation. Provide eyewash equipment.
- General Protective Measures : Avoid contact with eyes and skin.
- Hygiene Measure : Wash hand before and after work.

Personal Protective Equipment

- Respiratory Protection : Suitable portable respiratory protective equipment should be worn during spray application, emergency rescue or evacuation.
- Hand Protection : Wear protective gloves.
- Eye Protection : Safety glasses.
- Skin Protection : Light protective clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical state : Liquid
 Colour : brownish red
 Odour : Almost odourless
 Melting Point/Freezing Point (°C) : 0
 Boiling point or initial boiling point and boiling range (°C) : 100
 Flammability : Non - flammable
 Lower and upper explosion limit/flammability limit % : Lower: not available
 Upper: not available
 Flash point (°C) : Not available
 Auto ignition temperature (°C) : Not available
 Decomposition temperature (°C) : Not available
 pH : 8 (±1)
 Kinematic viscosity (s)/ Ford cup 4(s) : 13 (±2)
 Solubility : Soluble in water
 Partition coefficient: n-octanol/water (log value): Not available
 Vapor pressure (mmHg) : Not available
 Density and/or relative density (mg/ml) : Not available
 Relative vapour density [at 20°C/air=1] : Not available

SECTION 10 - STABILITY AND REACTIVITY

Stability : Stable under recommendation storage and handling condition.
 Hazardous Reaction : No data.
 Conditions To Avoid : Avoid heat and sources of ignition.
 Incompatible Substances : Strong oxidizing agents, strong acids and bases.
 Hazardous Decomposition Products : No hazardous decomposition products known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity : Please refer to the table below

Ingredient	Result	Species	Dose	Exposure
Aqueous dispersion of a modified PU polymer based on acrylic ester and methyl acrylic ester.	-	-	-	-
Pigment	-	-	-	-
Additives (Wetting) & Dispersing	LD ₅₀ Oral	Rat	3200 mg/kg	-
	LD ₅₀ Dermal	Rabbit	1550 mg/kg	-
	LC ₅₀ Inhalation	Rat	1.08 mg/l	4 hours
IPBC	LD ₅₀ Oral	Rat	1470 mg/kg	-
CMIT/MIT	LD ₅₀ Oral	Rat-female	550 mg/kg	-
	LD ₅₀ Dermal	Rabbit	660 mg/kg	-
	LC ₅₀ Inhalation	Rat	1.23 mg/l	4 hours

Skin Irritation Or Corrosion : Prolonged contact may result in skin irritation and dermatitis.
 Eye Irritation Or Corrosion : Contact may cause irritation.
 Respiratory Or Skin Allergies : May produce irritation and respiratory tract irritation.
 Ingestion Effects : May produce vomiting diarrhea and nausea.
 Germ Cell Mutation : No data available.
 Carcinogenicity : No data available.

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Reproductive Toxicity : No data available.

Specific Target Organ System Toxicity - Single : No data available.

Exposure

Specific Target Organ System Toxicity - Repeated: No data available.

Exposure

Aspiration Hazard : No data available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Toxicity : Please refer to the table below

Ingredient	Result	Species	Dose	Exposure
Aqueous dispersion of a modified PU polymer based on acrylic ester and methyl acrylic ester.	-	-	-	-
Pigment	-	-	-	-
Additives (Wetting) & Dispersing	EC ₅₀ EC ₅₀	Algae Daphnia	28.2 mg/l 1.1 mg/l	72 hours 48 hours
IPBC	EC ₅₀ EC ₅₀ LC ₅₀ NOEC	Algae Daphnia Fish Daphnia- magna	0.053 mg/l 0.16 mg/l 0.067 mg/l 0.05 mg/l	72 hours 48 hours 96 hours 21 days
CMIT/MIT	EC ₅₀ LC ₅₀ LC ₅₀ LC ₅₀	Daphnia Fish Fish Fish – <i>Salmo gairdneri</i>	0.84 mg/l 0.19 mg/l 0.3 mg/l 0.14 mg/l	48 hours 96 hours 96 hours 114 hours

Persistency And Degradation : No data available.

Potential Biological Accumulation : No data available.

Mobility In Soil : No data available.

SECTION 13 - DISPOSAL CONSIDERATION

Waste Disposal Method - Product : For recycling, consult manufacturer or DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/ PROVINCIAL AND LOCAL REGULATIONS. Do not dispose of via drains or into the immediate environment.

Waste Disposal Method - Packaging : Uncontaminated packaging may be taken for recycling. Packaging that cannot be recycled should be disposed as hazardous waste.

SECTION 14 - TRANSPORT INFORMATION

In Accordance with ADR/IMDG/IATA

- United Nations Numbers for Dangerous Goods (UN Number) : None (product is non-dangerous goods).

- UN Shipping Name : Not applicable.

- UN Classification of Hazards : Not applicable.

- Class : Not applicable.

- Label : Not applicable.

- Packing Group : Not applicable.

Marine Pollutants : No.

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Other Special Transportation Protective Measures : Do not transport with oxidizing agents, strongly acidic, alkaline materials or food chemicals. Handle gently to prevent damage to packaging and containers. Prevent from direct sunlight, heat, or rain during transportation to avoid leakage from packaging.

SECTION 15 - REGULATORY INFORMATION

General Information : The products are classified and supplied according to current Chemicals Hazard Information and Packing Regulations in force. The information contained in this Safety Data Sheet, does not substitute the assessment of work place risks as may be required by Health and Safety Legislation.

SECTION 16 - OTHER INFORMATION

Sources Of Documentation : - Transport regulations according to ADR, IMDG, and IATA (UN).
- GHS ST/SG/AC.10/30/Rev.7.
- Safe work Australia.
- SDS from 3rd parties/suppliers.

Abbreviation and Acronyms : - ADR: European Agreement concerning the international carriage of Dangerous goods by Road.
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Code for Dangerous Goods.
- LC₅₀: Lethal Concentration, 50% Kill.
- LD₅₀: Lethal Dose, 50% Kill.
- UN: United Nations.
- TWA: Time Weighted Average.
- STEL: Short Term Exposure Limit.

Disclaimer

The information presented here is based on our current best understanding and data from reputable third party sources. This document is neither a contract nor a guarantee. The conditions and the way our customer handle, store, use and disposal of these products is not controlled by the supplier. We will not accept any loss, damage or relative expense caused by your improper disposal, storage, use and discard of these products. This SDS can only be used for the products listed in the title. It is not acceptable to use this SDS for a product which contains this material or any material listed in the document.

TECHNICAL DATA SHEET

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Product Description	:	Water-borne Stain
Intended Use	:	Wood Coatings
Company Name	:	POLY-POXY COATINGS VIETNAM CO., LTD
Address	:	No. 11 VSIP, Street No.2, Vietnam Singapore Industrial Park, Binh Hoa, Thuan An, Binh Duong, Vietnam.
Telephone	:	+(84) 274 3712 127/ 128
Fax	:	+(84) 274 3712 129
E-mail	:	mtds@poly-poxy.com
Website	:	www.poly-poxy.com
Emergency Telephone	:	+(84) 274 3712 127/ 128

SECTION 2 - GENERAL INFORMATION

WB-5-4043N-MTHN-01 is a type of water-based paint that has been researched and developed for use in protecting and decorating interior furnishings. This paint has effective UV resistance and, at the same time, has the ability to maintain color durability.

SECTION 3 - TECHNICAL DATA

Product Data	
Physical state	: Liquid
Colour	: Brownish red
Gloss Level (%)	: Not available
Viscosity/Ford cup 4 (s)	: 13 (±2)
Flash point (°C)	: Not available
Solid content/Non-volatility (%)	: 18 (±2)
Specific gravity (kg/l)	: Not available
Flammability	: Non – flammable
pH	: 8 (±1)
Application	
Substrate	: Wood
Application Condition	: Temperature: 15 – 45°C Humidity: <90%
Wood moisture	: 12-14%
Pot-life	: Recommended for use within 5 days with the WBHD-200 hardener.
Application Method	: Wiping
Use/Mixing ratio	: WB-5-4043N-MTHN-01: 100% WBHD-200: 2%
Dilution/Thinning	: Not available
Hardener	: WBHD-200
Recommended thickness (µm)/yield (g/m ²)	: Yield: Not available
Cleaning Method/Equipment	: Water
Repair and Rework	: Wipping
Drying time before sanding	: Not available
Sandpaper grit	: Not available
Curing method	: Dry air at normal temperature

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Drying time	:	Touch dry – 12-15 minutes Hard dry – 1-1.5 hours Full dry – 12 hours
Storage		
Shelf-life Storage condition	:	9 months, Keep cool range 5-45°C. Store in a well-ventilated place. Keep cool, away from direct sunlight. Storage conditions should be maintained between 5 - 45 °C, avoiding harsh conditions, and the container should remain sealed and unopened. Unopened containers of this material would have a shelf life of 12 months from date of manufacture.
Transportation:	:	Do not transport with oxidizing agents, strongly acidic, alkaline materials or food chemicals. Handle gently to prevent damage to packaging and containers. Prevent from direct sunlight, heat, or rain during transportation to avoid leakage from packaging.

SECTION 4 - PACKAGING

Packing available

Measure Unit (kg/liter)

: kg

Quantity

: 0.3 0.5 01 02 03 05 18 20

25 155 172 178 180 200 1000

* Quantity for "liter" only available in 20 and 200.

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