

permacoat®
 EXTERIOR

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name	PERMACOAT EXTERIOR
Product Description	Paint
Manufacturer	PT. WARNA AGUNG
Head Office	Komplek Delta Building Jl. Suryopranoto 1 - 9 No. C 3-6 Jakarta 10160
Emergency Phone Number	(021) 5918746
Fax Numbers	(021) 5918745

2. HAZARDS IDENTIFICATION

Physical Hazard

Flammable Hazard Category 0

Health Hazard

Skin corrosion/irritation Category 0
 Serious eye damage/irritation Category 1
 Skin sensitization Category 1
 Specific target organ toxicity:
 - Repeated exposure Category 0

GHS Pictogram



Hazard statements

H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H411: Toxic to aquatic life with long lasting effects.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Substances	CAS Number	Concentration (%w/w)
Water	7732-18-5	10 - 20%
Titanium Dioxide	13463-67-7	15 - 25%
Limestone	1317-65-3	10 - 20%
Acrylic Copolymer Dispersion		40 - 60%
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	55965-84-9	0.1 - 2%
		0.5 - 2.0%
Mixture 2-octyl -2-isothiazolin-3-one, Carbendazim, Diuron	55965-84-9,106-5-21-7, 330-54-1	

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4. FIRST AID MEASURES

Description of first aid measures

Skin Contact	Wash thoroughly with soap and water. Remove contaminated clothing and wash it before re-use. Consult a physician If irritation persists.
Eye Contact	Flush immediately with large amount of water, especially under lids for at least 15 minutes. Consult a physician If irritation persists.
Inhalation	Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.
Ingestion	If swallowed, obtain medical treatment immediately.

5. FIRE-FIGHTING MEASURES

Flammability of the product	Not Applicable.
Flash Points	Not Applicable.
Fire Extinguishing Media	Use Dry Chemical, Alcohol Foam, Carbon Dioxide.
Products of Combustion	Carbon Dioxide, carbon monoxide, other irritating gases.
Unusual Fire and Explosion hazards	Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedure

Appropriate protective equipment must be worn when handling a spill of this material. If exposed to material during clean- up operation, see SECTION 4, for actions to follow.

Methods And Materials For Containments And Cleaning Up

Collect wet material using a scoop. Scrape up and place in appropriate containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions For Safe Handling

Keep product in dry place (below 38°C), good ventilation, and restrain from UV light and high temperature directly. Do not eat, drink or smoke, when handling. Wash hands with soap and water after handling especially before eating or smoking. Avoid physical damage of container.

Other Precautions

Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Keep containers tightly closed and upright when not in use.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautions to be taken in use	Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid Breathing vapor and spray mist. Wash hands after using water.
Ventilation	Provide dilution ventilation or local exhaust to prevent build-up of vapors.
Personal protective equipment	Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing.
General Hygiene Practice	Wash after handling. Prevent eye contact. Avoid prolonged skin and Inhalation contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Various
Solubility in water	Soluble in water
Odor Characteristic	Mild paint odor
Viscosity	95 - 98 KU
Density at 30°C	1,28 - 1,38 Kg/L
Boiling Point	Not available

10. STABILITY AND REACTIVITY

Stability	These products are stable, not reactive.
Condition to avoid	Avoid contact with high temperature, freezing, open flame.
Incompatibility	As such it is incompatible with acids and oxidizers.
Hazardous polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicity	Mercury and Lead Free. Dry film is nontoxic.
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12. ECOLOGICAL INFORMATION

Ecotoxicity	No Applicable Data.
General Note	Do not allow undiluted product or large quantities of products to reach ground water, water courses or sewage systems.

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13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable regulations ensuring no contamination of surrounding environment.

14. TRANSPORT INFORMATION

Freight Classification	Paint Products.
Shipping Name	Not dangerous goods.
Packing Group	Not special transportation requirements.
Identification Number	None.
	Not applicable.

15. REGULATORY INFORMATION

This product is not classified as hazardous product base on Indonesian Regulation.

16. OTHER INFORMATION

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness. Since the conditions of handling, storage, use and disposal are beyond our control and may be beyond our knowledge, for this and other reasons, we make no guarantee of results and assume no liability for damages incurred by the use of this product. Please be reminded that all chemicals may present unknown health hazards and should be used with caution.