



DECOLUX ROAD MARKING

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

Product Name	DECOLUX ROAD MARKING
Product Description	Solvent Based 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 3

Health Hazard

Skin corrosion/irritation Category 2

Serious eye damage/irritation Category 2

Skin sensitization Category 1

Specific target organ toxicity:
- Repeated exposure Category 2

GHS Pictogram



Hazard statements

H226: Flammable liquid and vapour.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Substances	CAS Number
Chlorinated Rubber	9006-03-5
Aromatic Hydrocarbon	1330-20-7
Aromatic Hydrocarbon	108-88-3

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.



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5. FIRE-FIGHTING MEASURES

Extinguishing media

Recommended

Not to be used

Recommendations

Alcohol resistant foam, carbon dioxide, chemical powders.

Waterjet.

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from firefighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedure

Wear appropriate protective equipment, e.g. respirators, eye protection, gloves and safety shoes.

Avoid substance contact with eyes. Do not inhale vapors.

Ensure supply of fresh air in enclosed rooms.

Environmental Precautions

Eliminate sources of ignition.

Keep public away.

Contain spilled liquid with sand or other non-combustible absorbent materials.

Wash area and prevent runoff into drains and sewerage system.

Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.

Methods And Materials For Containments And Cleaning Up

Clean up all spills immediately.

Absorb spill with absorbent and inert material, then place in container.

Disposal in accordance to local/national regulations.

7. HANDLING AND STORAGE

Precautions For Safe Handling

Use appropriate personal protective equipment.

Keep out of reach of children.

Handle containers with care. Open slowly in order to control possible pressure release.

Do not pressurize containers.

Do not ingest. Do not breathe in gas/fumes/vapor. Avoid contact with skin and eyes.

For personal protection, see section 8.

Use only in areas from which all naked lights and other sources of ignition have been excluded.

Take precautionary measures against static discharge.

Protect from frost and extremes of temperature.

Conditions For Safe Storage, Including Any Incompatibilities

Keep containers tightly closed.

Containers that are opened should be properly resealed and kept upright to prevent leakage.

Store in cool, dry and well - ventilated place at temperature between 20°C to 40°C away from heat and sources of ignition.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection	
Respiratory protection	Use of NIOSH - approved respirators with organic vapor cartridges is recommended.
Hand protection	Use of solvent resistance type or chemical resistant type of protective gloves is recommended.
Eye protection	Use of safety glasses or goggles with side shields is recommended
Skin / body protection	Wear chemical resistant clothes and safety shoes when handling product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Various
Odor	Aromatic's unique odor
Viscosity at 30°C	65 - 85 KU
Density at 30°C	1,30 - 1,60 g/cm ³
Vapor density	> 1,00 heavier than air
Flash point	< 23°C
Solubility in water	Not miscible with water

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions. (See section 7) When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide smokes, oxides of nitrogen. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

11. TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself. Exposure to component solvents vapors concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache ; dizziness, fatigue, muscular weakness, repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself. The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses .Waste and emptied containers should be disposed of according to the local rules and legislation.



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14. TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road.

ADR/AIR

UN number	1263
Proper shipping name	Paint
Class	3
Packing group	III

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods.

IMDG/SEA

UN number	1263
Proper shipping name	Paint
Class	3
Packing group	III

15. REGULATORY INFORMATION

In accordance with the Dangerous Preparations Directive 88/379/EEC the product is labeled as follow:

R phrases	R10 Flammable. R20/21 Harmful by inhalation and contact with skin. R36/38 Irritating to eyes and skin. R43 May cause sensitization by skin contact. R51/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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S phrases	S23 Do not breathe spray. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S38 In case of insufficient ventilation, wear suitable respiratory equipment.
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16. OTHER INFORMATION

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