



SAFETY DATA SHEET

Pegakote component A

1. Identification of the substance/preparation and of the company/undertaking

Product name and/or code : Pegakote component A
Manufacturer : Rust-Oleum Netherlands BV, PO. Box 138, NL-4700 AC Roosendaal, The Netherlands
 NV Martin Mathys, Kolenberg 23, B-3545 Zelem, Belgium
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2. Composition/information on ingredients

Substance/preparation : Preparation

Chemical name*	CAS No.	%	EC number	Classification
Europe Modified polyamine-epoxy adduct, n.o.s., prepolymer	-	10 - 25	-	Xn; R22 Xi; R41
Quartz, respirable content	14808-60-7	5 - 10	238-878-4	Xn; R48/20, 68/20
Zinc oxide	1314-13-2	0 - 1	215-222-5	N; R50/53
See section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R41- Risk of serious damage to eyes.
 R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First aid measures

First-Aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if irregular breathing, or respiratory arrest occurs provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
- Skin Contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Eye Contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing Media** : Recommended: alcohol resistant foam, CO₂, powders, water spray.
 Not to be used : waterjet.
- Recommendations** : 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 release runoff from fire to sewers or waterways.
- Special fire-fighting procedures** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Keep container tightly closed. Keep away from heat, sparks and flame.
- Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding.
- Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Put on appropriate personal protective equipment (see Section 8).
- Comply with the health and safety at work laws.
- Storage** : Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources.
- Keep away from: oxidizing agents, strong alkalis, strong acids.
No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.
Do not empty into drains..

8. Exposure controls/personal protection

- Engineering measures** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.
- Hygiene measures** : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- Occupational exposure limits** : Not available.
- Recommended monitoring procedures** : No special measures are required. General ventilation is typically sufficient. Provide eye wash and quick drench shower close to work station.
- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
- Personal protective equipment**
- Respiratory system** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Hands** : For prolonged or repeated handling, use gloves: polyvinyl alcohol or nitrile.
- Barrier creams may help to protect the exposed areas of the skin, but should not be applied once exposure has occurred.
- Skin and body** : Personnel should wear antistatic clothing made of natural fibers or of high-temperature-resistant synthetic fibers.
- Eyes** : Use safety eyewear designed to protect against splash of liquids.

9. Physical and chemical properties

- Physical state** : Liquid.
- Color** : Depending on product number
- Specific gravity** : 1.42 to 1.53 (Water = 1)
- pH** : Basic.
- Melting point** : May start to solidify at 0°C (32°F) based on data for: Water.
- Boiling point** : The lowest known value is 100°C (212°F) (Water).

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Vapor pressure	: The highest known value is 2.3 kPa (17.3 mm Hg) (at 20°C) (Water).
Solubility	: Insoluble in cold water, hot water.
Viscosity	: Dynamic: 1500 to 2500 cP
Volatility (%)	: 50 to 52% (v/v). 34 to 36% (w/w).
VOC (W/W):	: 0 (g/l).

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7).

Hazardous decomposition products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details. See Chapters 2 and 15 for details.

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. If splashed in the eyes, the liquid may cause irritation and reversible damage.

Potential acute health effects

Ingestion	: No data on acute toxicity of the product when ingested.
Inhalation	: Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
Skin contact	: May cause mild irritation with direct contact.
Eye contact	: Very hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
Other toxic effects on humans	: Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Acute Data (LD₅₀, LC₅₀) - Toxicity to Test Animals

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Zinc oxide	LD50	7950 mg/kg	Oral	Mouse
	LD50	>14700 mg/kg	Oral	Rat
	LDLo	500 mg/kg	Oral	Human/30 min
	LC50	2500 mg/m ³ (4 hour(s))	Inhalation	Mouse

Potential chronic health effects

Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

12. Ecological information

There is no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details.

Ecotoxicity data

<u>Ingredient name</u>	<u>Result</u>	<u>Period</u>	<u>Species</u>
Zinc oxide	Daphnia magna (EC50)	48 hour(s)	>1000 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	1.1 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>320 mg/l
	Pimephales promelas (LC50)	96 hour(s)	2246 mg/l

13. Disposal considerations

Do not allow to enter drains or watercourses.
Dispose of according to all federal, state and local applicable regulations.

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Methods of disposal ; : Type: Hazardous chemical waste.
Waste of residues ; Location: European Union
Contaminated packaging Classification: - (Not classified.)
Disposal.: via incineration
Storage: * (No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.)
Recycling: * (Not applicable.)

European waste catalogue (EWC) : 080115

14. Transport information

International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	--	Not applicable.	-	-		Not controlled under ADR (Europe).
IMDG Class	--	Not applicable.	-	-		Not controlled under IMDG.
IATA-DGR Class	--	Not applicable.	-	Not applicable.		Not controlled under IATA.

This preparation is not classified as dangerous according to international transport regulations, (ADR/RID, IMDG, ICAO/IATA).

15. Regulatory information

EU Regulations : The product is labelled as follows, in accordance with local regulations:

Hazard symbol(s) :



Irritant

Risk Phrases :

R41- Risk of serious damage to eyes.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases :

S23- Do not breathe spray.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29- Do not empty into drains.
S39- Wear eye/face protection.
S51- Use only in well-ventilated areas.
S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

Product use :

Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.
- Industrial applications, Used by Spraying.

EC Statistical classification (Tariff Code) :

3209 90 00

16. Other information

Full text of R-phrases appearing in section 2:

R22- Harmful if swallowed.
R48/20- Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R68/20- Harmful: possible risk of irreversible effects through inhalation.
R41- Risk of serious damage to eyes.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Designation of symbols in Section 2 :

Xn - Harmful
Xi - Irritant
N - Dangerous for the environment.

HISTORY

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Pegakote component A

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