

PML After Remover
February 12, 2025

PML After Remover

SAFETY DATA SHEET

(in accordance with Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP))

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

1.1 Product Identifier

- Product name: PML After Remover

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Solution for removing permanent makeup and tattoos

1.3 Details of the supplier of the safety data sheet

- Address: ul. Kilińskiego 18/20, 42-200 Częstochowa
- Phone: +48 882-169-228
- E-mail: biuro@pml.com.pl
- Responsible person for the Safety Data Sheet: Janusz Wolnicki, e-mail: biuro@pml.com.pl

1.4 Emergency telephone number

- Toxicological information in Poland: (42) 631 47 24 (7:00 AM – 3:00 PM) or 112 (24/7)
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SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

- *According to Regulation (EC) No 1272/2008 (CLP):*
 - Health hazards: Not classified
- *According to Council Directive 67/548/EEC:*
 - Health hazards: Not classified

2.2 Label elements

- *Hazard pictograms:* None
- *Signal word:* None
- *Hazard statements:*
 - Harmful if swallowed.
 - Causes eye irritation.
- *Precautionary statements:*
 - Read special precautions before use.
 - Keep out of reach of children.
 - If medical advice is needed, show the container or label.
 - Do not use before reading and understanding all safety instructions.
 - Store in a closed container.

2.3 Other hazards

- No information available regarding PBT or vPvB criteria according to Annex XIII.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Name	Identifiers	%	67/548/EEC Classification	1272/2008 (CLP) Classification
Distilled Water	EC: 231-791-2 CAS: 7732-18-5	-	-	-
Hydrogen Peroxide	EC: 231-765-0 CAS: 7722-84-1	3.8%	-	-
Herbal Extracts	-	0.8%	-	-
Silver	EC: 231-131-3 CAS: 7440-22-4	0.003%	-	-
Phosphoric Acid	EC: 231-633-2 CAS: 7664-38-2	0.005%	-	-

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

- *Inhalation:* No special measures required. In case of discomfort, consult a doctor.
- *Skin contact:* Remove contaminated clothing. Rinse affected skin with plenty of water and soap. If irritation occurs, consult a dermatologist.

- *Eye contact:* Immediately rinse eyes with plenty of water while keeping eyelids wide open to ensure thorough rinsing. If necessary, consult an ophthalmologist.
- *Ingestion:* Rinse mouth and give a large amount of water to drink. Do not induce vomiting. If a large quantity is swallowed, seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

- *Inhalation:* No reported adverse effects.
- *Skin contact:* No reported adverse effects.
- *Eye contact:* May cause irritation and redness.
- *Ingestion:* May cause irritation and burns to the mouth and throat, along with abdominal pain, vomiting, and diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically. In case of ingestion or inhalation of large amounts, immediately contact a physician specializing in poison treatment.
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SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing agents: Use extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

- The product is non-flammable but may support combustion due to its mild oxidizing properties.
- Under high heat, pressure can build up in containers, potentially leading to explosions.

5.3 Advice for firefighters

- Wear chemical protective clothing and an independent breathing apparatus.
 - Cool endangered containers with a water spray.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

- Use protective clothing, goggles, and gloves in areas where leaks or splashes are possible.

6.2 Environmental precautions

- Prevent the substance from entering surface or groundwater.

6.3 Methods and material for containment and cleaning up

- Collect the spilled liquid mechanically or using absorbent materials (e.g., sawdust, sand, or diatomaceous earth). Place the collected material in a labeled container for disposal.
- Rinse contaminated surfaces with water.

6.4 Reference to other sections

- Dispose of waste according to recommendations provided in Section 13.
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SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

- Avoid ingestion and eye contact. Use suitable protective equipment.
- Follow safety and hygiene rules: do not eat, drink, or smoke in the workplace. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a tightly closed container at temperatures below 25°C. Protect from light.
- Keep out of reach and sight of children.

7.3 Specific end use(s)

- No data available.
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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

- Monitoring procedures for hazardous substances in the air should follow Polish regulations.
- When exposure limits are known, select personal protective equipment accordingly.

8.2 Exposure controls

- *Respiratory protection:* Use protective masks if exposure limits are exceeded.
- *Eye protection:* Safety goggles.
- *Hand protection:* Nitrile gloves.
- *Skin protection:* Protective clothing and aprons.

General recommendations: Follow industrial hygiene rules. Avoid contact with eyes and skin. Change contaminated clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Appearance: Colorless liquid
- Odor: Characteristic
- pH: Acidic
- Melting/Freezing point: -26°C
- Boiling point: ~106°C
- Flash point: Not applicable
- Evaporation rate: 299 Pa at 25°C
- Flammability: Non-flammable
- Vapor pressure (air): 1.17
- Relative density (20°C): 1.11 g/cm³
- Solubility: Soluble in water, alcohols, and ethyl ether
- Auto-ignition temperature: Not applicable
- Viscosity (20°C): 1.248 mPa·s

9.2 Other information

- Molar mass: 39.02 g/mol
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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

- The product has oxidizing and corrosive properties, decomposing into water and oxygen with heat release.

10.2 Chemical stability

- Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

- Decomposition in sealed containers may lead to explosions.

10.4 Conditions to avoid

- Elevated temperatures, light exposure, and contact with alkaline substances or rust.

10.5 Incompatible materials

- Organic materials, reducing agents, metal oxides, metal salts, and impurities.

10.6 Hazardous decomposition products

- Releases oxygen and heat under high temperatures.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- *Acute toxicity:*
 - LD50 (oral, rat): 1200 mg/kg (for 30% hydrogen peroxide)
 - LD50 (skin, rabbit): >2000 mg/kg (for 30% hydrogen peroxide)
 - LD50 (inhalation, rat): >170 mg/m³ (30 min.) (for 30% hydrogen peroxide)
- *Irritating effects:* May cause eye irritation.
- *Corrosive effects:* None observed.
- *Sensitization:* None observed.
- *Mutagenicity:* None observed.
- *Carcinogenicity:* None observed.
- *Reproductive toxicity:* None observed.

Adverse effects:

- Contact with damaged or burned skin may cause stinging and irritation.
- Eye contact may cause redness and irritation.
- Inhalation is not a concern under normal conditions due to low volatility.
- Ingestion of large amounts may cause irritation, burns, abdominal pain, vomiting, and diarrhea.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

- No detailed environmental impact studies were conducted. The substance is not classified as hazardous to the environment; however, pH reduction can be harmful to aquatic organisms. Prevent contamination of groundwater, sewage, and watercourses.

Ecotoxicological data:

- *Acute toxicity:*
 - *Daphnia magna* (Neonate <24h): EC50: 2320 µg/l/48h
 - *Oncorhynchus mykiss* (juvenile rainbow trout): LC50: 22 ppm/96h
 - Freshwater fish LC50: 16.4 mg/l/24h
 - Aquatic invertebrates EC50: 2.4 mg/l/48h
- *Toxicity to specific species:*
 - Critical threshold for rainbow trout (*Oncorhynchus mykiss*): 3000 mg/dm³ (230 minutes)
 - *Gammarus pulex* (amphipod): 5500 mg/dm³

- Paramecium caudatum (ciliate): 7000 mg/dm³
- Eperous assimilis (mayfly): 3000 mg/dm³
- Vorticella campanula (protozoa): 2500 mg/dm³
- *Chronic toxicity:*
 - Aquatic invertebrates (Daphnia magna) – NOEC: 0.63 mg/l (for 30% hydrogen peroxide)
 - Algae – NOEC: 0.63 mg/l (for 30% hydrogen peroxide)
 - Microorganisms – EC50: 466 mg/l (for 30% hydrogen peroxide)

12.2 Persistence and degradability

- PML After Remover is fully biodegradable in the environment. It undergoes photodegradation in the air.
 - Half-life of hydrogen peroxide in the air: ~24 hours

12.3 Bioaccumulative potential

- The substance does not bioaccumulate.

12.4 Mobility in soil

- Due to its high water solubility, the substance is expected to have high mobility in soil.

12.5 Results of PBT and vPvB assessment

- The substance does not meet PBT or vPvB criteria according to Annex XIII.

12.6 Other adverse effects

- No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- Neutralize spilled PML After Remover with plenty of water until visible decomposition (intensive gas bubble formation) ceases.
- Use the product entirely according to instructions. Dispose of empty single-use containers through authorized waste collection facilities.

Applicable regulations:

- Act of April 27, 2001 on Waste (Journal of Laws No. 62, item 628, with amendments).
- Act of May 11, 2001 on Packaging and Packaging Waste (Journal of Laws No. 63, item 638, with amendments).

- Regulation of the Minister of Environment of September 27, 2001 on the Waste Catalog (Journal of Laws No. 112, item 1206).
 - Directive 75/442/EEC on waste management.
 - Directive 91/689/EEC on hazardous waste.
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SECTION 14. TRANSPORT INFORMATION

14.1 UN Number

- Not applicable

14.2 Proper shipping name

- Not applicable

14.3 Transport hazard class(es)

- Not applicable

14.4 Packing group

- Not applicable

14.5 Environmental hazards

- The substance is not classified as environmentally hazardous according to UN criteria.

14.6 Special precautions for user

- No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- No data available.
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SECTION 15. REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture:

- *Polish regulations:*
 - Act of January 11, 2001 on chemical substances and preparations (Journal of Laws No. 11, item 84, with amendments).

- Regulation of the Minister of Health of September 2, 2003 on the classification and labeling of substances and preparations (Journal of Laws No. 171, item 1666, with amendments).
- Regulation of the Minister of Health of November 13, 2007 on the Safety Data Sheets for hazardous substances (Journal of Laws No. 215, items 1587 and 1588).
- Act of April 27, 2002 on waste (Journal of Laws No. 87, item 798).
- Act of May 11, 2001 on entrepreneurs' obligations regarding waste management and product/deposit fees (Journal of Laws No. 63, item 639).
- Regulation of the Minister of Environment of September 27, 2001 on the waste catalog (Journal of Laws No. 112, item 1206).
- Regulation of the Minister of Economy, Labor, and Social Policy of August 28, 2003, on general occupational safety regulations (Journal of Laws No. 169, item 1650).
- Regulation of the Minister of Economy and Labor of July 5, 2004, on restrictions, bans, or conditions for the manufacture, placing on the market, or use of dangerous substances and preparations (Journal of Laws No. 168, item 1762, with amendments).
- *EU regulations:*
 - Regulation (EC) No 273/2004 of the European Parliament and of the Council on drug precursors.
 - Regulation (EC) No 1272/2008 (CLP) on classification, labeling, and packaging of substances and mixtures.
 - Regulation (EC) No 1907/2006 (REACH) on the registration, evaluation, authorization, and restriction of chemicals.
 - Regulation (EU) No 453/2010 amending REACH.

15.2 Chemical safety assessment

- A chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION

Changes compared to the previous version:

- General update.

List of R-phrases:

- None

Full text of H and EUH statements:

- None

Full classification under CLP/GHS:

- Not classified

List of precautionary statements:

- S25: Avoid contact with eyes
- S2: Keep out of reach of children

This Safety Data Sheet (SDS) is provided directly to the user of PML Remover without any assurances or guarantees regarding the completeness or level of detail of the information or recommendations contained herein.

This document does not constitute a basis for any liability of any kind on the part of the supplier of PML Remover. The manufacturer shall not be held responsible for any fatality, illness, or health damage of any nature resulting from the use or misuse of the Safety Data Sheet or the material to which it pertains.

The employer is responsible for informing all employees who come into contact with the substance about the hazards and personal protective measures outlined in the Safety Data Sheet.

This Safety Data Sheet has been developed based on the SDS provided by the manufacturer and/or online databases, as well as applicable regulations concerning hazardous substances and chemical preparations.

The information contained in this document reflects the current state of our knowledge and experience regarding the safe use of the product.

Individuals involved in handling the substance should be trained in procedures, safety, and hygiene practices.