

# Safety data sheet

## 1. Identification

<b>1.1 Product Name:</b>	<b>The Restorator</b>
<b>1.2 Recommended use:</b>	Cleaning of objects made of bronze, copper, nickel, silver and others
<b>1.3 Supplied by:</b>	<b>A-Gora Num Aneta Gora</b> Mickiewicza 26/5 41-300 Dabrowa Gornicza Phone: +48 508 088 702

## 2. Hazard identification

### 2.1 Classification of the substance or mixture

An eye damage/eye irritation (Category 2), H319

The full text of the hazard statements (H) quoted in this Section can be found in Section 16.

### 2.2 Label elements

**Hazard pictograms:**



**Signal word:** WARNING

**Hazard statements:** Irritating to the eyes.

**Precautionary statements:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if they are and can be easily removed. Continue to rinse.

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### 3. Composition/Ingredient Information

<u>Scientific name</u>	<u>CAS No:</u>	<u>Tue %</u>
Hydrogen peroxide, 6% solution	7722-84-1	80-90

### 4. First aid measures



**4.1 FIRST AID – INHALATION:** Move or take the victim out into the fresh air. If the symptoms/signs persist, seek medical attention.

**4.2 FIRST AID – CONTACT WITH SKIN:** If redness, itching or burning occurs, wash the product off the skin with soap and water. If discomfort or irritation persists, seek medical attention.

**4.3 FIRST AID – EYE CONTACT:** Remove contact lenses. Rinse irritated eye thoroughly with water for 15-20 minutes. If discomfort or irritation persists, seek medical attention.

**4.4 FIRST AID – FOOD INTAKE:** In case of accidental ingestion, drink 1-2 glasses of water and treat symptomatically. Do not induce vomiting. Never give anything orally to an unconscious person. If you experience gastrointestinal symptoms, seek medical help from your doctor.

### 5. Fire protection measures

**5.1 SPECIAL FIRE PROTECTION PROCEDURES:** Hydrogen peroxide does not burn, but is a strong oxidant, sustains burning and decomposes under the influence of organic substances with reducing properties to produce oxygen and heat. Decomposition of hydrogen peroxide in the absence of suitable venting devices in closed tanks may cause explosion. Oxygen from the decomposition of hydrogen peroxide intensively fuels combustion. The substance may cause spontaneous ignition of combustible materials.

#### 5.2 EXTINGUISHING AGENTS:

**Suitable extinguishing media:** Use of extinguishing media suitable for local conditions and the environment, e.g. water.

**Unsuitable extinguishing media:** Do not use agents that accelerate the decomposition of hydrogen peroxide, e.g. protein foaming agents.

The product is not flammable.

### 6. Accidental release measures

**STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILLAGE OF MATERIAL:** Collect spilled material with vermiculite or other absorption material. Collect and transport to a suitable waste container. Ventilate the room. Seal the damaged packaging.

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## 7. Handling and storage of the substance

**7.1 HANDLING:** Avoid contact with skin and eyes. Use only as directed.

**7.2 STORAGE:** Store in sealed, sealed containers, in a dry and cool (< 30°C) room. Ensure adequate ventilation. Protect the container from physical damage and direct sunlight.

## 8. Exposure control / personal protective equipment

### 8.1 Control Parameters.

NDS – no information available

NDSch – no information available

### 8.2. Exposure control

#### 8.2.1. Appropriate technical control measures

Use only with adequate ventilation.

#### 8.2.2. Personal protective equipment such as personal protective equipment

It is necessary to properly choose protective clothing for the workplace with the preparation.

#### 8.2.3. Environmental exposure control

Wear safety glasses (goggles) or face shield.

Use protective gloves resistant to chemicals, made of nitrile rubber or other material recommended by the glove manufacturer for contact with the product.

Do not lead to the sewage system.

## 9. Physical and chemical properties

<b>Appearance:</b>	Clear liquid without solid particles	<b>Physical state:</b>	Liquid
<b>Odour:</b>	No information available	<b>Odour threshold:</b>	No information
<b>Specific gravity:</b>	1.02	<b>ph:</b>	No information
<b>Freezing point, °C:</b>	Not available	<b>Viscosity:</b>	No information
<b>Solubility in water:</b>	No information available	<b>Partition coefficient n-octanol/water:</b>	No information
<b>Decomposition temperature, °C</b>	Not available	<b>Explosion limit, %:</b>	No information
<b>Lower boiling point, °C:</b>	Not available	<b>Flash point, °C:</b>	No information
<b>Flammability:</b>	No information available	<b>Auto-ignition temperature, °C</b>	No information
<b>Evaporation speed:</b>	No information	<b>Saturated vapor pressure, mmHg:</b>	No information
<b>Vapor density:</b>	No information available		

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## 10. Stability and reactivity

**STABILITY:** Sstabilized substance.

**CONDITIONS TO AVOID:** Ignition sources, high temperature, light.

**INCOMPATIBILITY: Catalysts for the decomposition of hydrogen peroxide :** organic materials, reducing substances, metal oxides, metal salts, metal ions (e.g. iron, copper, chromium, manganese, platinum, silver), bases, impurities, rust, dirt; particularly high activity in the process of decomposition of hydrogen peroxide is shown by some enzymes (catalase, peroxidase).

## 11. Toxicological information



**EFFECTS OF OVEREXPOSURE – INHALATION:** No information available

**EFFECTS OF OVEREXPOSURE – SKIN CONTACT:** No information available

**EFFECTS OF OVEREXPOSURE – EYE CONTACT:** Lack of information

**EFFECTS OF OVEREXPOSURE – INGESTION:** No information available

**CARCINOGENICITY:** Lack of information

**MAIN ROUTE OF ENTRY:** Skin contact

**Acute toxicity values:** The effects of this product have not been studied. The data of the individual ingredients are given below:

<u>CAS No:</u>	<u>Scientific name</u>	<u>Oral LD50</u>	<u>Leather LD50</u>	<u>LC50 pairs</u>
77-92-9	Citric acid	>1026 mg/kg rat	>2000 mg/kg rabbit	>170 mg/m <sup>3</sup> /30 min rat

## 12. Ecological information

**ECOLOGICAL INFORMATION:** Product components are expected to be environmentally safe at concentrations foreseen in normal use and accidental leakage scenarios. Packaging elements are in line with traditional solid waste management practices. Additional information is available from the provider upon request.

## 13. Waste management

**WASTE METHOD:** Disposal must be carried out in accordance with applicable laws, regulations and the properties of the materials at the time of disposal.

**STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILLAGE OF MATERIAL:** Collect spilled material with vermiculite or other absorption material. Collect and transport to a suitable waste container. Ventilate the room.

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## 14. Transport information

**SPECIAL PRECAUTIONS FOR TRANSPORT:** Apply appropriate regulations/procedures for correct classification for transport.

The following classifications apply to the shipment of finished products in consumer packaging:

**UN Code:** N/A

**Transport hazard class:** -

**Packaging group:** -

The above classifications may not be applied to bulk and non-bulk quantities transported in packages other than consumer packages.

## 15. Legal Information

### 15.1. Safety, health and environmental legislation specific to the substance or mixture

- Regulation of the Minister of Health of 16 September 2016 on occupational health and safety related to the presence of chemical agents in the workplace (i.e. Journal of Laws of 2016, item 1488).

- Regulation of the Minister of Family, Labor and Social Policy of 12 June 2018 on the maximum allowable concentrations and intensities of factors harmful to health in the work environment (i.e. Journal of Laws of 2018, item 1286).- Commission Regulation (EU) No 260/2014 of 24 January 2014 amending, for the purposes of adapting to technical progress, Regulation (EC) No 440/2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). (L 81/1)- Act of 19 August 2011 on the transport of dangerous goods (i.e.: Journal of Laws of 2018, item 169).- Act of 13 June 2013 on packaging and packaging waste management (i.e.: Journal of Laws of 2018, item 150).- Act of 14 December 2012 on waste (i.e.: Journal of Laws of 2018, item 21).- Regulation of the Minister of Health of 10 August 2012 on the criteria and method of classification of chemical substances and their mixtures (ie: Journal of Laws of 2015, item 208).- Regulation of the Minister of Health of 20 April 2012 on the labelling of packaging of hazardous substances and hazardous mixtures and certain mixtures (i.e. Journal of Laws of 2015, item 450).- Act of 25 February 2011 on chemical substances and their mixtures (i.e. Journal of Laws of 2018, item 143).- Regulation of the Minister of Health of 2 February 2011 on testing and measurement of factors harmful to health in the work environment (Journal of Laws of 2011, No. 33, item 166).- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 on registration, the evaluation, authorisation and restriction of chemicals (REACH), the establishment of a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

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- Regulation of the Minister of Economy of 21 December 2005 on the essential requirements for personal protective equipment (Journal of Laws of 2005 No. 259, item 2173).- Act of 27 April 2001. Environmental Protection Law (Journal of Laws of 2018, item 799).

#### 15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this product.

### 16. Other information

**Date of update:** 1/06/2023

**Date of change:**

New safety data sheet for hazardous substances

**Reason for the change:** No information

#### Full text of the abbreviated H-phrases:

H319 - Irritating to eyes.

The information on this tab corresponds to our current state of knowledge. This is not a specification and does not guarantee specific properties. This information provides general health and safety guidance based on our knowledge of product handling, storage and use. This does not apply to unusual and non-standard applications of the product, for which instructions and recommendations are not followed.