

SAFETY DATA SHEET

GREEN COPPER RESCUE

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

Document Info	Details
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Green Copper Rescue

Article number: 04

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

Use of substance/mixture: Chelating aqueous solution to remove copper ions from stone and metal artwork surfaces.

1.3 Details of the supplier of the safety data sheet

Lab4Green S.r.l.
Via Torquato Tasso n. 108
00185 Rome, Italy
E-mail: info@lab4green.it

1.4 Emergency telephone number

Poison Control Centre	Address	Telephone
Centro Antiveleni Milano	Piazza dell'Ospedale Maggiore 3, 20161 Milano	(+39) 02.66101029
Centro Antiveleni Roma	Piazza Sant'Onofrio 4, 00165 Roma	(+39) 06.3054343

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP):

The product is not considered hazardous.

The product requires an MSDS in conformity with Regulation (EU) 2015/830.

Additional information regarding safety risks or environmental hazards is reported in Sections 11 and 12.

Classification and safety risk:

Hazard class	Code	Hazard statement
Eye irritation, Category 2	H319	Causes serious eye irritation

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP).

The product contains no substances which, at their given concentration, are considered to be hazardous to health.

Hazard pictogram (CLP): None

Code	Precautionary statement
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P337+P313	If eye irritation persists, get medical advice/attention.

2.3 Other hazards

The product contains no substances which, at their given concentration, are considered to be hazardous to health as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not pertinent.

3.2 Mixtures

Not pertinent.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Skin contact: Wash skin with soap and water. Get medical attention if any discomfort continues.

Ingestion: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Not available.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Hazards arising from explosion in case of fire. Overpressure in vessels exposed to fire with explosion hazard. Avoid inhalation of combustion products.

5.3 Advice for firefighters

Use water spray or fog for cooling exposed containers and to avoid product decomposition. Wear proper protective equipment. Collect all water used for firefighting that cannot be discharged into the sewers.

Equipment: Positive-pressure self-contained breathing apparatus (EN 137), flame-retardant gloves (EN 659), firefighter boots (HO A29 or A30).

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Stop the spillage. Wear adequate protective equipment (including individual protective equipment described in Section 8 of this SDS) to prevent contamination of skin, eyes, and personal clothing. These indications are valid both for users and for emergency responders.

6.2 Environmental precautions

Clean up any spills as soon as possible. Prevent entry to sewers and public waters.

6.3 Methods and materials for containment and cleaning up

Collect and place in suitable waste disposal containers and seal securely. Absorb spillage with inert, damp, non-combustible material. Provide adequate ventilation of the area.

6.4 Reference to other sections

Information regarding individual protection and waste disposal is reported in Sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Prevent static electricity. Do not use with overpressurised air. Do not eat, drink, or smoke during use.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature: 2–10 °C

7.3 Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values: Not available.

8.2 Exposure controls

Ensure good ventilation of the work station.

Eye/face protection: Chemical splash goggles (ref. EN 166). Provide an emergency shower with an eyewash station.

Hand protection: Work gloves, Category III (ref. EN 374).

Skin protection: Wear suitable protective clothing, Category I (ref. Directive 89/686/EEC and EN ISO 20344). Non-static clothing and conductive shoes should be worn.

Note: All individual protective equipment must be CE approved.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Property	Value
Physical state	Liquid
Colour	Colourless
Odour	Odourless
pH	6.5–7.5
Freezing point	Not available
Boiling point	Not available
Flash point	Not applicable
Vapour pressure	Not available

Vapour density	Not available
Relative density	Not available
Water solubility	Totally soluble

9.2 Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

There are no known reactivity hazards associated with this product under normal conditions of use.

10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended. Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

Vapours can form explosive mixtures with air.

10.4 Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid static electricity and heat sources.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Thermal decomposition or combustion may liberate gases and vapours potentially dangerous to health.

SECTION 11: Toxicological information

Toxicity has not been fully evaluated. The hazard assessment of the product was based on the properties of the individual components of the blend.

11.1 Information on toxicological effects

Endpoint	Information
Metabolism, kinetic mechanism of action	Not available
Information on probable routes of exposure	Not available
Immediate, delayed, chronic effects (short/long exposure)	Not available
Interactive effects	Not available
Acute toxicity	Not available
Skin corrosion/irritation	Not available
Eye irritation	Not available
Respiratory or skin sensitisation	Not available
Mutagenicity	Not available
Carcinogenicity	Not available
Reproductive toxicity	Not available

SECTION 12: Ecological information

Use according to good practice, avoiding dispersal of the product in the environment.

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB (concentration \leq 0.1%).

12.6 Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal should be in accordance with existing practices at your institution. Observe all federal, provincial, and local laws.

SECTION 14: Transport information

The product is not considered dangerous in accordance with ADR (road), RID (rail), IMDG Code (sea), and IATA (air) regulations.

Parameter	Details
14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not known to be hazardous for transport
14.4 Packing group	Not applicable
14.5 Environmental hazards	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk (MARPOL Annex II / IBC Code)	Not applicable

SECTION 15: Regulatory information

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

Seveso Directive (2012/18/EU): None.

Restriction (Annex XVII, REACH Regulation (EC) 1907/2006): Product — Point 3.

Substances in Candidate List (Art. 59 REACH): The product does not contain SVHC substances in a percentage greater than 0.1%.

Substances subject to authorisation (Annex XIV REACH): None.

Substances subject to authorisation for export (Reg. (EC) 649/2012): None.

15.2 Chemical safety assessment

No additional information available. No chemical safety assessment necessary.

SECTION 16: Other information

General bibliography

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 (1st ATP CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (2nd ATP CLP)
6. Regulation (EU) 618/2012 (3rd ATP CLP)
7. Regulation (EU) 487/2013 (4th ATP CLP)
8. Regulation (EU) 944/2013 (5th ATP CLP)
9. Regulation (EU) 605/2014 (6th ATP CLP)
10. Regulation (EU) 2015/1221 (7th ATP CLP)
11. Regulation (EU) 2016/918 (8th ATP CLP)
12. Regulation (EU) 2016/1179 (9th ATP CLP)
13. Regulation (EU) 2017/776 (10th ATP CLP)

Additional references

The Merck Index, 10th Edition

Handling Chemical Safety

INRS — Fiche Toxicologique (toxicological sheets)

Patty — Industrial Hygiene and Toxicology

N.I. Sax — Dangerous Properties of Industrial Materials, 7th Edition, 1989

IFA GESTIS database

ECHA Agency website

SDS model database — Italian Ministry of Health and Istituto Superiore di Sanità

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