MATERIAL SAFETY DATA SHEET pursuant to Directive no. 1907/2006/EC Article 31

RM1 Rust - ex

Prepared by Carpet Cleaner GmbH

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Replaces: ----------

1. Product/preparation and company identification

1.1 Trade name

RM1 Rust - ex

1.2 relevant identified uses of the substance or mixture and uses advised against:

Application of the substance / the preparation: Rust remover from textiles (e.g. carpets)

Uses advised against:--

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer

Carpet Cleaner Industries CCI GmbH
Zwanzigerstraße 23
A-9020 Klagenfurt
Austria

Phone: +43-463-515541
Fax: +43-316-677290

E-Mail competent person: export@cciaustria.com

Information department: See supplier / manufacturer

1.4 Emergency telephone number:

Poison control center Austria: 0043-1-4064343 (0-24 h)
Germany (emergency phone for poisoning, Berlin): 0049-30-19240

2. Hazards identification

2.1 Classification of the substance or mixture Classification ac. To Regulation (EC) No 1272/2008



GHS05 Corrosion
Eye Dam. 1 H318 Causes serious eye damage.

Information concerning particular hazards for human and environment:	Based on the classification criteria for mixtures according to Regulation (EC) No. 1272/2008, the mixture is subject to labelling.
Classification system	The classification was made according to the latest editions of the EC-lists and expanded using company data and specialized literature.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008	The product is classified and labelled according to the CLP regulation.
Hazard pictograms	 GHS 05
Signal word	Danger
Hazard-determining components of labelling	oxalic acid
Hazard statements	H318 Causes serious eye damage.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P501 Dispose of contents/container to a hazardous or special waste collection point.

Other notes Not applicable

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

Other notes Not applicable

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Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

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3. Composition/information on ingredients:

3.2 Chemical characterisation: Mixtures
Description: Mixture of substances listed below with non-hazardous additions.

Oxalic acid CAS: 144-62-7 EINECS: 205-634-3 Indexnummer: 607-006-00-8 Reg.nr.:01-2119534576-33	Acute Tox. 4, H302; Acute Tox.4, H312	1-5%
Regulation (EC) No 648/2004 on detergents/Labelling for contents:	Anionic and non-ionic surfactants	< 5%

Additional information
For the wording of the listed risk phrases refer to section 16.

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4. First aid measures

General information

If symptoms persist or in case of doubt, seek medical advice.
Immediately remove any clothing soiled by the product.

After inhalation

Provide fresh air, seek medical advice in case of symptoms.

After contact with skin

If skin contact occurs, wash affected area immediately with water and soap.
Seek medical advice if skin irritation persists.

After contact with eyes

Protect unharmed eye.
Rinse eyes with open eyelids with water for 10 - 15 minutes. If symptoms persist, consult a doctor.

After ingestion

Rinse mouth with water.
Spit liquid out again.
Do not induce vomiting; call medical help immediately.
If symptoms persist, consult a doctor.
If babies/toddlers are concerned, always consult a physician or the local Poison Information Centre.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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5. Fire-fighting measures

Suitable extinguishing media

Powder
Foam
Carbon dioxide
Sand

Extinguishing media that are unsuitable for safety reasons

Water jet

Special hazards caused by the substance, its combustion products or generated gases

Carbon monoxide, nitrogen oxide, soot, sulphur dioxide and organic compounds can be released as a result of the fire.
Fire causes thick, black, pungent smoke.
Exposure to decomposition products may be hazardous to the health.

Special protective gear for fire-fighting

Wear suitable respiratory protective device in case of fire.

Other information

Remove the product from the area of the fire or else cool the container with water. Remove the heat to prevent the pressure from increasing.
Fire residues and contaminated water for fire-fighting must be disposed of in accordance with the local official provisions.

6. Accidental release measures

Person-related preventive measures
Use personal protective equipment. Avoid contact with eyes and skin.
For personal protection see section 8.

Environmental protection measures
Avoid seepage into the soil, water and canalization.
If seepage into water, soil or canalization occurs, notify the competent authorities.

Procedures for cleaning/absorption
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Handle the material as set forth in chapter “Disposal“.

Additional notes
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and storage

Handling

Information about safe handling
Avoid contact with eyes and skin. When using, do not eat, drink or smoke.
When processing and handling, ensure the compliance with the applicable workplace-related limits.

Information about the fire and explosion protection
Observe the general rules of industrial fire protection.

Storage

Requirements for storage rooms and containers
Keep containers in a dry place, tightly sealed in a cool, well-ventilated area.
Observe the general rules governing the preventive corporate fire protection.

Information about joint storage
Store away from foodstuffs.
Store away from feed.
Store away from oxidants.

Other information about the storage conditions
Protect from heat and direct sun light.
Recommended storage temperature: 5 – 25°C

Storage class: --------

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8. Exposure control and personal protection

Components with workplace-related limits which require monitoring:

144-62-7 oxalic acid
AGW long time value: 1E mg/m3
1(I); H, EU, 13

Additional information: The lists valid during the making were used as basis.

Personal protection

General protective and hygiene measures
Avoid contact with eyes and skin.
Wash hands before breaks and at the end of the day.
When working, do not smoke, eat or drink.
Remove contaminated soaked clothing immediately.
Keep away from food and beverages.
Apply protective skin cream as preventive skin protection.
Observe the regular precautions for handling chemicals.

Respiratory protection:	Not required.
Hand protection:	Wear nitrile rubber, PVC or neoprene gloves. Observe the information of the glove manufacturer concerning permeability and breakthrough times and the special workplace conditions.
Eye protection:	Protective goggles
Skin protection:	Protective clothing

Limitation and monitoring of the environmental exposure:
See Environmental Protection Law of the European Union.

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9. Physical and chemical properties

General information:

Appearance:	Liquid
Colour:	Clear, colourless

Important information about the health and environmental protection as well as the safety:

pH (at 20°C):	0 - 2
Ignition temperature:	Not determined
Self-igniting	Product is not self igniting
Danger of explosion	Product does not present an explosion hazard.
Solubility in / miscibility with water	miscibel

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10. Stability and reactivity

Conditions to avoid:
Avoid direct contact with heat sources.
Avoid temperatures exceeding 60°C.
Protect from direct sun light.

Materials to avoid:
Strong oxidants.
Strong acids.
Alkali metals.

Hazardous by-products:
No hazardous by-products if stored as intended.
If thermal decomposition occurs, carbon monoxide and carbon dioxide, nitrogen oxide and organic compounds are formed.

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11. Toxicological information

Acute toxicity:

144-62-7 oxalic acid	Swallowing	LD 50 Rat	375 mg/kg

There are no quantitative data available for the product itself.

Primary irritant effect:
on the skin: No irritant effect
on the eye: very strong irritating effect.

Sensitisation: No sensitising effects known.

Other information (about experimental toxicology):
Carcinogenic, mutagenic effects and adverse effects on reproduction:
Presently available data show no carcinogenic, mutagenic or teratogenic effects.

Subacute to chronic toxicity:
STOT-single exposure: No data available.
STOT-repeated exposure: No data available.

General information:
The product has not been tested as such. The preparation is classified based on the conventional method (computation method of the EU Directive 1999/45/EC) and in accordance with the toxicological hazards (see chapters 2 and 15 for details).

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12. Ecological information

Toxicity:
Aquatic toxicity:

144-62-7 oxalic acid
EC50/48h > 162,2 mg/l (daphnia magna) (OECD 202)
EC50/48h > 160 - 325 mg/l (fish)

There are no quantitative data available for the product itself.

Persistence and degradability: No further information available.

Bioaccumulative potential: No further information available.

Mobility in soil: No further information available.

Ecotoxical effects:
Remark:

Additional ecological information:
General notes:
Water danger class 1 (German regulation) (Self-assessment): weakly hazardous to water
Do not allow undiluted or major quantities of product to seep into the groundwater, water or the canalization.
Danger to drinking water even if extremely small quantities leak into the ground.

Results of PBT and vPvB assessment:
PBT: Not applicable
vPvB: Not applicable

Other adverse effects: No further relevant information available.

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13. Disposal considerations

Waste treatment methods:
Recommendation:
Do not dispose of product together with the household waste.
Bring to the hazardous waste collection site.
Do not empty into drains. Do not allow to reach the sewage system.
Disposal according to instructions of local authorities.
Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.

European waste catalogue	20 01 29 detergents containing dangerous substances
	06 01 06 other acids

Uncleaned packagings:
Disposal in accordance with the official provisions.
Do not dispose of together with the household waste.

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14. Transport information

14.1 UN-Number **DOT, ADR, ADN, IMDG, IATA**	Void
14.2 UN proper shipping name **DOT, ADR, ADN, IMDG, IATA**	Void
14.3 Transport hazard class(es) **DOT, ADR, ADN, IMDG, IATA** **Class**	Void
14.4 Packing group **DOT, ADR, ADN, IMDG, IATA**	Void
14.5 Environmental hazards: **Marine pollutant**	No
14.6 Special precautions for user	Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional information	Not dangerous according to the above regulations.
UN "Model Regulation"	-

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15. Regulatory information

Description / classification according to EC directives

Classification of the product pursuant to EU Directive 67/548/EWG

Water hazard class: Water danger class 1 (Self-assessment): weakly hazardous to water

Information about occupational limitations:

The legal protection of working mothers and teenagers must be observed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant Phrases

H318 Causes serious eye damage.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

The information contained in this material safety data sheet corresponds to our current know-how and complies with both the national and the EU laws. Without the written permission, the product may not be used for any purposes other than the one set forth in chapter 1. The user is responsible for the compliance with all mandatory legal provisions. The information contained in this material safety data sheet describes the safety requirements of our product and does not represent a promise of product properties.
The information contained in this material safety data sheet is required pursuant to section 6 of the Ordinance on Hazardous Substances in connection with the Directive 1907/2006 (EC).