

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

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

Trade name: Power Cleaner

Supplier: Gerd Eisenblätter GmbH

Jeschkenstraße 12d
82538 Geretsried
Phone: + 49 (0) 8171 / 9082 - 010

Emergencies: +49 (0) 8171 / 9082 - 010

2. Composition / Information on ingredients

Mixtures

Hazardous ingredients

CITRIC ACID

REACH registration No.: 01-2119457026-42-XXXX;

EC No.: 201-069-1; CAS No.: 77-92-9

Weight fraction: ≥ 1 - < 5 %

Classification 1272/2008 (CLP): Eye Irrit. 2; H319

(Full text of R-, H- and EUH-phrases: see section 16.)

3. Hazards identification

3.1. Classification of the substance or mixture

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

None.

3.2. Label elements

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

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

3.3. Other hazards

None.

4. First aid measures

4.1. Description of first aid measures

After inhalation: Remove casualty to fresh air and keep warm and at rest.

After skin contact: After contact with skin, wash immediately with plenty of water and soap.
Rub greasy ointment into the skin.

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After eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After swallowing: Rinse mouth immediately and drink plenty of water. Call a physician immediately.

General information: When in doubt or if symptoms are observed, get medical advice.

4.2. Most important symptoms and effects, both acute and delayed

None.

4.3. Indication of any immediate medical attention and special treatment needed

None.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

Water, foam, extinguishing powder, carbon dioxide (CO₂), sand, nitrogen, extinguishing blanket.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

Carbon dioxide (CO₂), Carbon monoxide.

5.3. Advice for fire fighters

The product itself does not burn. Adapt extinguishing measures to suit the environment.
Wear a self-contained breathing apparatus and chemical protective clothing.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Special danger of slipping by leaking / spilling product.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil / subsoil.

6.3. Methods and material for containment and cleaning up

Clear spills immediately. Wipe up with absorbent material (e.g. cloth, fleece). Wash with plenty of water.
Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

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

7.1. Precautions for safe handling

Keep container tightly closed.

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7.2. Conditions for safe storage, including any incompatibilities

Keep / Store only in original container. Protect against Frost.

Hints on joint storage

Storage class (TRGS 510): 12

Specific end use(s):

Observe technical data sheet. Observe instructions for use.

8. Exposure controls / personal protection

8.1. Control parameters

None.

8.2. Exposure controls

Personal protection equipment:

General health and safety measures:

Do not put any product-impregnated cleaning rags into your trouser pockets.

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P264 - Wash hands thoroughly after handling.

Protection of hands:

Wear protective gloves in case of longer lasting skin contact.

Suitable gloves type: EN 374.

Suitable material: NBR (Nitrile rubber).

Breakthrough time (maximum wearing time): 480 min.

Thickness of the glove material: 0.4 mm

Remark: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection:

Wear suitable safety goggles in case of splash.

Suitable eye protection: Safety goggles acc. EN 166.

Additional information:

No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients.

In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form: liquid

Colour: colourless

Odour: characteristic

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pH-value	2,2	
Vapour pressure (50°C):	not relevant	
Initial boiling point/ Boiling range (1013hPa)	ca. 100°C	
Flash point:	not relevant	
Danger of explosion: lower explosion limit: upper explosion limit:	not relevant not relevant	
Density (20°C):	ca. 1,05 g/cm ³	
Solubility (20°C):	completely miscible	
Solvent separation test (20°C):	not relevant	
Flow time (20°C):	not relevant	DIN-cup 4 mm
Maximum VOC content (EC):	0 Wt %	
Maximum VOC content (Switzerland):	0,9 Wt %	

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

11. Toxicological information

11.1. Information on toxicological effects

None

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Acute effects:

Acute oral toxicity

Parameter: LD50
(CITRIC ACID; CAS No.: 77-92-9)
Exposure route: Oral
Species: Rat
Effective dose: > 2000 mg/kg

11.2. Toxicokinetics, metabolism and distribution

There are no data available on the preparation / mixture itself.

11.3. Other adverse effects

Frequently or prolonged contact with skin may cause dermal irritation.

11.4. Additional information

Preparation not tested. The statement is derived from the properties of the single components.

12. Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT / vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

None known.

12.7. Further ecological information

None.

13. Disposal considerations

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. List of proposed waste codes/waste designations in accordance with EWC.

13.1. Waste treatment methods

Product / Packaging disposal

Waste codes / waste designations according to EWC / AVV

Waste code product

20 01 29* - detergents containing dangerous substances.

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Waste code packaging

15 01 02 - plastic packaging.

Waste treatment options

Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning.
Handle contaminated packages in the same way as the substance itself.

13.2. Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

14. Transport information

14.1. UN number

No dangerous goods in sense of this transport regulation.

14.2. UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3. Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4. Packing group

No dangerous goods in sense of this transport regulation.

14.5. Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6. Special precautions for user

None.

15. Regulatory information

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

EU legislation

Other regulations (EU)

Labelling for contents according to regulation (EC) No. 648/2004

< 5 % non-ionic surfactants

< 5 % anionic surfactants

National regulations

AT: Labelling according to Austrian regulations (Chemikaliengesetz / ChemV).

CH: Chemikalienverordnung (ChemV) and Chemikalien-Risikoreduktions-Verordnung (Chem RRV) are complied.

Water hazard class (WGK)

Class: 1 (Slightly hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibition regulations

Betriebssicherheitsverordnung (BetrSichV)

No flammable liquid according to BetrSichV.

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

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16. Other information

Relevant H- and EUH-phrases (number and full text):

H319 Causes serious eye irritation.

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)

AOX: adsorbable organohalogenes

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

CLP: Classification Labelling and Packaging (Regulation (EC) No. 1272/2008)

EAK / AVV: europäischer Abfallschlüsselkatalog (european waste catalogue)

EINECS: European Inventory of Existing Commercial Chemical Substances

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

RCP: reciprocal calculation procedure

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

TRGS: Technische Regel für den Umgang mit Gefahrstoffen

VbF: Verordnung über brennbare Flüssigkeiten

VOC: volatile organic compound

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.