

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 23.10.2008

Version : 3

Revision: 23.10.2008

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name:** Cleaner SAVAN 210

- **Application of the substance / the preparation** Machine Cleaner

- **Manufacturer/Supplier:**

SAVAN CHEMIE AG

Grundstrasse 10a

CH-8712 Stäfa

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- **Further information obtainable from:** Dr.S. Savaskan Tel. + 41 44 926 22 60

- **Information in case of emergency:**

Dr. Savaskan

Tel. + 41 44 926 22 60

2 Hazards identification

- **Hazard description:**



Xi Irritant

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36 Irritating to eyes.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 77-92-9 EINECS: 201-069-1	citric acid	Xi; R 36	10-25%
CAS: 7664-38-2 EINECS: 231-633-2 Index number: 015-011-00-6	phosphoric acid	C; R 34	2,5-10%

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

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Generally the product does not irritate the skin.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

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5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Product forms slippery surface when combined with water.
Ensure adequate ventilation
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** LGK 8 B (according VCI) non flammable, corrosive substances

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

77-92-9 citric acid

MAK (Germany)	vgl.Abschn.IIb
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7664-38-2 phosphoric acid

AGW (Germany)	2 E mg/m ³ 2(I);DFG, AGS, Y
IOELV (EU)	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³
MAK (Switzerland)	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³

56-81-5 glycerol

MAK (Germany)	50E mg/m ³
MAK (Switzerland)	Short-term value: 100 e mg/m ³ Long-term value: 50 e mg/m ³

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.

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Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· Respiratory protection:

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands: Not required.

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Light yellow
Odour:	Characteristic

· Change in condition

Melting point/Melting range: -10°C

Boiling point/Boiling range: 100°C (DIN 51751)

· Flash point: Not applicable.

· Ignition temperature: 1010°C (DIN 51794)

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Vapour pressure at 20°C: 23 hPa

· Density at 20°C: 1,13 g/cm³

· Solubility in / Miscibility with water: Fully miscible.

· pH-value at 20°C: 1,6

· Solvent content:

Organic solvents: 3,0 %

Water: 74,0 %

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Dangerous reactions No dangerous reactions known.

· Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· Primary irritant effect:

· on the skin: No irritant effect.

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- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Hand over to hazardous waste disposers.

· **European waste catalogue**

06 01 04	phosphoric and phosphorous acid
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
Xi Irritant
- **Risk phrases:**
36 Irritating to eyes.
- **Safety phrases:**
23 Do not breathe gas/fumes/vapour/spray.

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24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

60 This material and its container must be disposed of as hazardous waste.

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**

REACH: obligated substances are pre-registered

* **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 R-phrases**

34 Causes burns.

36 Irritating to eyes.

· **Department issuing MSDS:** Abteilung Produktsicherheit

· **Contact:** Dr. S. Savaskan

· * **Data compared to the previous version altered.**

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