

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 26.10.2010

Revision: 26.10.2010

1 Identification of substance:

- Product details:
- Trade name: **Sano Clean Forte S Ag**
- Application of the substance / the preparation: Disinfectant
- Manufacturer/Supplier:
Sanosil Ltd
Eichtalstrasse 49
CH-8634 Hombrechtikon
Tel.: +41 55 254 00 54
Fax.: +41 55 254 00 59
E-Mail: info@sanosil.com
- Informing department: Product safety department. Phone toxicological centre: +41 44 251 51 51
- Emergency information: p.gomori@sanosil.com

2 Hazards identification

- Hazard designation:



Xi Irritant

- Information pertaining to particular dangers for man 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.
- Classification system
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- GHS label elements

**Warning**

- H332 - Harmful if inhaled.
- H319 - Causes serious eye irritation.
- Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
- Response:
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.

3 Composition/information on ingredients

- Chemical characterization
- Description: Mixture of the substances listed below with harmless additions.

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CAS: 7440-22-4 Silver nitrate <0.2%

EINECS: 231-131-3

· Dangerous components:

CAS: 7722-84-1 hydrogen peroxide solution 2.5-10%

EINECS: 231-765-0 C, Xn, O; R 8-20/22-35

Danger: 2.13/1; 3.2/1A

Warning: 3.1.O/4, 3.1.I/4

CAS: 27458-92-0 isotridecan-1-ol <1.0%

EINECS: 248-469-2 N; R 50

Warning: 4.1.A/1

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

4 First aid measures

- General information Instantly remove any clothing soiled by the product.
- After inhalation Supply fresh air; consult doctor in case of symptoms.
- After eye contact Rinse opened eye for several minutes under running water. Then consult doctor.
- After swallowing Instantly call for doctor.

5 Fire fighting measures

- Suitable extinguishing agents Use fire fighting measures that suit the environment.
- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection: Do not allow product to reach sewage system or water bodies.
- Measures for cleaning/collecting:
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose of contaminated material as waste according to item 13.
 - 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 protection against explosions and fires: No special measures required.
- Storage
 - Requirements to be met by storerooms and containers: No special requirements.
 - Information about storage in one common storage facility:
 - Store away from foodstuffs.
 - Store away from flammable substances.
 - Further information about storage conditions: None.

8 Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace:

7722-84-1 hydrogen peroxide solution (2.5-10%)

WEL Short-term value: 2.8 mg/m³, 2 ppm

Long-term value: 1.4 mg/m³, 1 ppm

- Additional information: The lists that were valid during the compilation were used as basis.
- Personal protective equipment
- General protective and hygienic measures
 - Keep away from foodstuffs, beverages and food.
 - Take off immediately all contaminated clothing (Contd. on page 3) —

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Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

· Breathing equipment: Not required.

· Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

PVC gloves

Neoprene gloves

· For the permanent contact gloves made of the following materials are suitable:

PVC gloves

Neoprene gloves

· Eye protection: Tightly sealed safety glasses.

9 Physical and chemical properties:

· General Information

Form:

Fluid Colour:

Colourless

Odour:

Characteristic

· Change in condition

Melting point/Melting range: ca.0°C

Boiling point/Boiling range: ca.100°C

· Flash point:

Not applicable

· Self-inflammability:

Product is not selfigniting.

· Danger of explosion:

Product is not explosive.

· Vapour pressure at 20°C:

ca.20 hPa

· Density at 20°C

ca.1.05 g/cm³

· Solubility in / Miscibility with

Water:

Fully miscible

· pH-value at 20°C:

ca.3

· Solvent content:

Organic solvents:

0.0 %

· VOC - EU

0.00 %

· VOC - EU

g/l

· VOC - CH

0.00 %

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

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- Dangerous products of decomposition: Possible in traces.

11 Toxicological information

- Acute toxicity:
- LD/LC50 values that are relevant for classification:

9043-30-5 Fettalkoholpolyglykoether

Oral LD50 1940 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rat)

- Primary irritant effect:
 - on the skin: Caustic effect on skin and mucous membranes.
 - on the eye: Strong caustic effect.
- Sensitization: No sensitizing effect known.
- Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

- Ecotoxicological effects:
- Remark: Harmful to fish
- Additional ecological information:
- General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

13 Disposal considerations

- Product:
- Recommendation
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleaning agent: Water, if necessary with cleaning agent.

14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID-GGVS/E Class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -
- UN "Model Regulation": -

15 Regulatory information

- Designation according to EC guidelines:
 - The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

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- Code letter and hazard designation of product:



Xi Irritant

- Risk phrases:
 - 36 Irritating to eyes.
- Safety phrases:
 - 9 Keep container in a well-ventilated place.
 - 17 Keep away from combustible material.
 - 20 When using do not eat or drink.
 - 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
 - 25 Avoid contact with eyes.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 27 Take off immediately all contaminated clothing.
 - 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 - 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 - 60 This material and its container must be disposed of as hazardous waste.
- National regulations
- Water hazard class: Water hazard class 1 : slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases
 - 20/22 Harmful by inhalation and if swallowed.
 - 35 Causes severe burns.
 - 50 Very toxic to aquatic organisms.
 - 8 Contact with combustible material may cause fire.
- Department issuing data specification sheet: Environment protection department.
- Contact: Abteilung Labor
- 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: Règlement 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
 - IATA: International Air Transport Association
 - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 - ICAO: International Civil Aviation Organization
 - ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
- * Data compared to the previous version altered.