

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.08.2008

Revision: 30.06.2008

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

- **Product details**

- **Trade name:** Oxygenon

- **Application of the substance / the preparation** Disinfectant

- **Manufacturer/Supplier:**

Antiseptica chem. pharm. Produkte GmbH
 Carl-Friedrich-Gauss-Straße 7
 D-50259 Pulheim-Brauweiler
 Tel.: +49 (0) 2234/98466-0
 Fax: +49 (0) 2234/98466-11
 e-Mail: info@antiseptica.com

- **Further information obtainable from:**

Abteilung Produktsicherheit
 Tel.: +49(0)2234/98466-0
 e-Mail: sdb@antiseptica.com

- **Information in case of emergency:**

Giftinformationszentrum Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ Nord),
 Georg August Universität Göttingen, Zentrum Pharmakologie und Toxikologie,
 Robert Koch Straße 40,
 37075 Göttingen
 Tel.: 0551/192 40
 Fax: 0551/383 1881

2 Hazards identification

- **Hazard description:**



C Corrosive

- **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 22 Harmful if swallowed.

R 34 Causes burns.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **GHS label elements**

**Danger**

3.2/1B - Causes severe skin burns and eye damage.

**Warning**

3.1/4 - Harmful if swallowed.

- **Prevention:**

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

- **Response:**

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Specific treatment (see label).

Rinse mouth.

Wash contaminated clothing before reuse.

· **Storage:**

Store locked up.

· **Disposal:**




















Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

· **Chemical characterization**

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

· **Dangerous components:**

CAS: 70693-62-8 EINECS: 274-778-7	pentapotassium bis(peroxymonosulphate)bis(sulphate)  C,  Xn,  O; R 8-22-34 Danger:  3.1.O/3;  3.2/1B Warning:  2.14/2	25-50%
CAS: 110-16-7 EINECS: 203-742-5	maleic acid  Xn,  Xi; R 22-36/37/38 Danger:  3.1.O/3, 3.8/3;  3.2/1C	2.5-10%
CAS: 77-92-9 EINECS: 201-069-1	citric acid  Xi; R 36 Warning:  3.3/2A	2.5-10%
CAS: 68411-30-3 EINECS: 270-115-0	Benzolsulfonsäure, C 10-13-Alkylderivate, Natriumsalze  Xn,  Xi; R 22-36/38 Danger:  3.1.O/3, 3.2/2, 3.3/2A	2.5-10%
	Fettalkoholethoxylat  Xn,  Xi; R 22-41 Danger:  3.1.O/3;  3.3/1	≤ 2.5%

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

4 First aid measures

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

5 Fire-fighting measures

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- **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 to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
 - Use neutralizing agent.
 - Dispose contaminated material as waste according to item 13.
 - Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
 - **Information for safe handling:** Thorough dedusting.
 - **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.

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:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
 - **General protective and hygienic measures:**
 - Wash hands before breaks and at the end of work.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Avoid contact with the eyes and skin.
 - **Respiratory protection:** Not required.
 - **Protection of hands:**
 - 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



Protective gloves

- **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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

· General Information

Form:	Solid
Colour:	According to product specification
Odour:	Characteristic

· Change in condition**Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** Undetermined.**· Flash point:** Not applicable.**· Ignition temperature:** 1010°C**· Self-igniting:** Product is not selfigniting.**· Danger of explosion:** Product does not present an explosion hazard.**· Density:** Not determined.**· Solubility in / Miscibility with water:** Soluble.**· Solvent content:**

Organic solvents:	0.0 %
VOC (EC)	0.00 %

· Solids content: 97.8 %

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:** Caustic effect on skin and mucous membranes.**· on the eye:** Strong caustic 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:

Harmful

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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12 Ecological information

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralized.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Product:**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **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:** 8 Corrosive substances.

- **Danger code (Kemler):** 80

- **UN-Number:** 3260

- **Packaging group:** III

- **Hazard label:** 8

- **Description of goods:** 3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (pentapotassium bis(peroxymonosulphate)bis(sulphate), maleic acid)

- **Maritime transport IMDG:**



- **IMDG Class:** 8

- **UN Number:** 3260

- **Label** 8

- **Packaging group:** III

- **EMS Number:** F-A,S-B

- **Marine pollutant:** No

- **Proper shipping name:** CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (pentapotassium bis(peroxymonosulphate)bis(sulphate), maleic acid)

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



- **ICAO/IATA Class:** 8

- **UN/ID Number:** 3260

- **Label** 8

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- **Packaging group:** III
- **Proper shipping name:** CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (pentapotassium bis(peroxymonosulphate)bis(sulphate), maleic acid)
- **UN "Model Regulation":** UN3260, CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S., 8, III

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
C Corrosive
- **Hazard-determining components of labelling:**
pentapotassium bis(peroxymonosulphate)bis(sulphate)
- **Risk phrases:**
22 Harmful if swallowed.
34 Causes burns.
- **Safety phrases:**
1/2 Keep locked up and out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
20 When using do not eat or drink.
25 Avoid contact with eyes.

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**
22 Harmful if swallowed.
34 Causes burns.
36 Irritating to eyes.
36/37/38 Irritating to eyes, respiratory system and skin.
36/38 Irritating to eyes and skin.
41 Risk of serious damage to eyes.
8 Contact with combustible material may cause fire.
- **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 internationale 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
VOC: Volatile Organic Compounds (USA, EU)

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