



## Addendum to Material Safety Data Sheet

### **Supplier/Importer Details**

ERKODENT Australia Pty Ltd  
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### **Emergency Information**

Poisons Information Centre: Dial 13 11 26

24 hours a day, 7 days a week Australia wide

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

# Oxydens

CAS No.: --  
EC No.: --  
UFI --  
REACH No.: --

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified uses:** Cleaning tablet for plastic dental splints  
**Uses advised against:** Other

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

Fittydent International GmbH  
Carlbergerstrasse 38/Top 3/1  
--  
AT 1230 Wien

**Telephone** +43 1 381 81 81  
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**Supplier**

ERKODENT Erich Kopp GmbH  
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--  
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**1.4. Emergency telephone number**

Bei Vergiftungserscheinungen, den örtlichen  
Giftnotruf oder die 112 (nur in Deutschland)  
wählen  
Seek medical advice immediately (poison centre).

**Telephone** --

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008:  
Ox. Liq./Sol. 2/3, H272; Acute Tox. 4, H302; Skin Corr. 1/1A/1B/1C, H314; Eye Dam. 1, H318

**2.2. Label elements**

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

## Hazard pictograms



GHS03, GHS05, GHS07  
 Danger

### Signal word:

### Hazard statements:

- H272 May intensify fire; oxidiser.  
 H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.

### Precautionary statements:

- P102 Keep out of reach of children.  
 P301+330+331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P305+351+338 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/..?

### Special labelling of particular preparations:

Enthält: Kaliummonopersulfat, Perborsäure (HBO(=2)), Natriumsalz, Monohydrat; Natriumperoxoborat; [mit einem Gehalt an Teilchen mit einem aerodynamischen Durchmesser von weniger als 50 µm von < 0,1 % (w/w)]

Contains: Potassium monopersulfate, perboric acid (HBO(=2)), sodium salt, monohydrate; sodium peroxoborate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]

## 2.3. Other hazards

This mixture does not contain any substances presenting a health or environmental hazard within the means of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List. No known endocrine disrupting properties

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

Mixture related information

#### Composition/information on ingredients

Substance:	CAS-No.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):	M, ATE, Note
Potassium monopersulfate	10058-23-8		25 - 45 %	Acute Tox. 4, H302; Skin Corr. 1/1A/1B/1C, H314; Eye Dam. 1, H318	ATE (oral) = 500 mg/kg bodyweight
trisodium orthophosphate	10101-89-0		5 - 15 %	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Sodium carbonate	497-19-8		5 - 15 %	Eye Irrit. 2, H319	
Sulphamic acid	5329-14-6		2,5 - 10	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	M = 1 ATE (oral) = 2065 mg/kg bodyweight
perboric acid (HBO(O <sub>2</sub> )), sodium salt, monohydrate; sodium peroxoborate;	10332-33-9		1 -<6,5 %	Ox. Liq./Sol. 2/3, H272; Acute Tox. 4, H302; Eye Dam. 1, H318; STOT SE 3, H335; Repr. 1A/B, H360Df	ATE (oral) = 500 mg/kg bodyweight
Disodium carbonate, compound with hydrogen peroxide (2:3)	15630-89-4		< 1 %	Ox. Liq./Sol. 2/3, H272; Acute Tox. 4, H302; Eye Dam. 1, H318	ATE (oral) = 500 mg/kg bodyweight
Dinatriumdihydrogenethylendiamintetraacetat	139-33-3		< 1 %	Acute Tox. 4, H332; STOT RE 2, H373	M = 0 ATE (oral) = 2800 mg/kg bodyweight

(Full text of H- and EUH-statements: see section 16.)

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- General information:** In case of accident or unwellness, seek medical advice immediately
- In case of inhalation:** Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.
- Following skin contact:** After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist. In case of skin irritation, consult a physician.
- After eye contact:** In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
- After ingestion:** If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media** Water fog. alcohol resistant foam. dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).
- Unsuitable extinguishing media** High power water jet.

### 5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Sulphur dioxide (SO<sub>2</sub>).

### 5.3. Advice for firefighters

**General information**

Move undamaged containers from immediate hazard area if it can be done safely.

**Special protective equipment for fire-fighters:**

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil.

### 6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Avoid generation of dust.

## 6.4. Reference to other sections

See protective measures under point 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Wear personal protection equipment (refer to section 8).

#### Precautions against fire and explosion:

Keep away from sources of ignition - No smoking. Keep away from heat.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Put lids on containers immediately after use.

#### Hints on joint storage

Keep away from food, drink and animal feedingstuffs. Reducing agent. Do not mix with acids. Reducing agent. Alkalis (alkalis).

### 7.3. Specific end use(s)

Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m <sup>3</sup> ]	Limitation of exposure peaks:	Remark:

#### Substance with a common (EC) occupational exposure limit value.

Substance:	CAS-No.:	Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m <sup>3</sup> ]	Limitation of exposure peaks:	Remark:

#### DNEL-/PNEC-values

##### DNEL value

Substance:	CAS-No.:	DNEL/DMEL

##### PNEC Value

Substance:	CAS-No.:	PNEC

#### Additional information

No information available.

### 8.2. Exposure controls

#### Occupational exposure controls:

none

#### General protection and hygiene measures:

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

**Personal protection equipment**

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required. Technical ventilation of workplace.

**Hand protection**

Suitable gloves type: NBR (Nitrile rubber). NR (Natural rubber (caoutchouc), Natural latex). Butyl rubber. FKM (fluoro rubber). PVC (Polyvinyl chloride) Breakthrough times and swelling properties of the material must be taken into consideration.

**Eye/face protection**

Tightly sealed safety glasses.

**Body protection:**

Protective clothing Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

**Environmental exposure controls**

refer to chapter 7. No further action is necessary.

**Consumer exposure controls**

refer to chapter 7. No further action is necessary.

**Exposure Scenario:**

No information available.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

**Physical state:** solid  
**Colour:** whitish greenish blue  
**Odour:** characteristic  
**Odour threshold:** not determined

**Safety relevant basis data**

	parameter	Value	unit	Remark
<b>Melting point/freezing point:</b>				not determined
<b>Initial boiling point and boiling range:</b>				not determined
<b>Flammability:</b>				not applicable
<b>lower flammability or explosive limits:</b>				not determined
<b>Upper flammability or explosive limits:</b>				not determined
<b>Flash point:</b>			°C °C °C	not determined
<b>Ignition temperature:</b>				none Risk of selfignition.
<b>Decomposition temperature:</b>				not determined
<b>pH:</b>	approx.	9,0		
<b>Kinematic viscosity:</b>				not determined
<b>Water solubility (g/L):</b>				not determined
<b>Partition coefficient: n-octanol/water:</b>				not determined
<b>Vapour pressure:</b>				not determined

**Density:** not determined  
**Relative density:** not determined  
**Particle properties:** not determined

## 9.2. Other information

There are no data available on the mixture itself.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May intensify fire; oxidiser.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

heat. UV-radiation/sunlight. frost.

### 10.5. Incompatible materials

Acid Reducing agent

### 10.6. Hazardous decomposition products

Stable under recommended storage and handling conditions.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes within the meaning of Regulation (EC) No. 1272/2008

Data apply to the main component. Harmful by inhalation and if swallowed.

**M-factor:** - **Acute toxicity (dermal):** -  
**Acute toxicity (oral):** ATEmix calculated: **Acute toxicity (inhalative):** -  
ATE (oral) 1923,077  
mg/kg

#### Acute toxicity

Substance:	CAS-No.:	Toxicological information
Sulphamic acid	5329-14-6	LD50 oral (Rat) 2065 mg/kg LD50 Oral 2065 mg/kg LD50 dermal > 2000 mg/kg
Dinatriumdihydrogenethylendiamintetraacetat	139-33-3	LD50 oral (Rat) 2800 mg/kg NOAEL STOT-RE (Ratte) > 500 mg/kg/d

#### Skin corrosion/irritation:

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation:

Causes serious eye damage.

#### Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Carcinogenicity:

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2. according to 67/548/EEC.

#### Germ cell mutagenicity:

No information available.

#### Reproductive toxicity:

No information available.

### STOT-single exposure:

Based on available data, the classification criteria are not met.

### STOT-repeated exposure:

No information available.

### Aspiration hazard

Based on available data, the classification criteria are not met.

### Additional information

## 11.2. Information about other hazards

### 11.2.1 Endocrine disrupting properties

### 11.2.2 Other Information

No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Do not allow to enter into surface water or drains.

#### Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
Sulphamic acid	5329-14-6	LC50 fish (96 h) 70,3 mg/l
Dinatriumdihydrogenethylendiamintetraacetat	139-33-3	EC50 Daphnia (Daphnia magna) 48 h 140 mg/l EC50 Algae (72 h) > 60 mg/l NOEC/NOEL Daphnia (Daphnia magna) 21 d 25 mg/l NOELR Fish (Brachydanio rerio) 96 h >= 25,7 mg/l LCO Daphnia (Daphnia sp.) 48 h 50 mg/l

### 12.2. Persistence and degradability

There are no data available on the mixture itself.

### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

### 12.4. Mobility in soil

There are no data available on the mixture itself.

### 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6 Endocrine disruptive effect

No known endocrine disrupting properties



## 12.7. Other adverse effects

There are no data available on the mixture itself.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal/Product:

Dispose of waste according to applicable legislation. Send to a physico-chemical treatment facility under observation of official regulations. Send to a hazardous waste incinerator facility under observation of official regulations. Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package

Dispose of waste according to applicable legislation.

#### List of proposed waste codes / waste designations according to EWC / AVV

Send to a hazardous waste incinerator facility under observation of official regulations.

## SECTION 14: Transport information

### 14.1. UN number

UN No.: 3084

### 14.2. UN proper shipping name

#### Land transport (ADR/RID)

ÄTZENDER FESTER STOFF, ENTZÜNDEND (OXIDIEREND) WIRKEND, N.A.G.  
Kaliummonopersulfat

#### Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

CORROSIVE SOLID, OXIDIZING, N.O.S.  
(Kaliummonopersulfat)

### 14.3. Transport hazard class(es)

Hazard label(s) / Label: 8+5.1

Classification code: / Classification Code: CO2



### 14.4. Packing group

Packing group/ Packing Group: II

### 14.5. Environmental hazards

ADR/RID / IMDG / ICAO-TI / IATA-DGR:

Marine pollutant:

Yes

No

#### 14.6. Special precautions for user

##### Land transport (ADR/RID)

transport category: 2 tunnel restriction code: E  
Special provisions: 274 Limited quantity (LQ): 1 kg

##### Sea transport (IMDG)

EmS-No: F-A, S-Q  
Special provisions: -- Limited quantity (LQ): 1 kg

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remark not applicable

### SECTION 15: Regulatory information

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

##### EU legislation

**Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer**  
No information available.

##### **Regulation (EC) No 850/2004 [POP-Regulation]**

**Regulation (EU) No 649/2012 on the export and import of dangerous chemicals**  
No information available.

**The substance/product is registered with strictly controlled conditions as defined in Article 18(4) of Regulation (EC) No. 1907/2006 (REACH Regulation) and must therefore be handled as such.**  
No information available.

##### National regulations

Observe in addition any national regulations!

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Restrictions of occupation

**none**

##### Solvents Regulation (31st BImSchV)

No information available.

##### Other regulations, restrictions and prohibition regulations

No information available.

#### 15.2. Chemical Safety Assessment

**For this preparation a chemical safety assessment has been carried out.** --

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

### SECTION 16: Other information

**Relevant H- and EUH-phrases (Number and full text):**

**Hazard statements**

H314 Causes severe skin burns and eye damage.

**Training advice**

none

**Recommended restrictions of use:**

none

**Further remarks:**

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 storag

**Documentation of changes:**

none

**Key literature references and sources for data**

Data arise from reference works and literature.

**Abbreviations and acronyms**

Wording of the r-phrases under paragraph 3:

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