

**Trade name: Oxydens****Safety data sheet in accordance with (EG) Nr. 1907 / 2006**

Date of printing : 23.10.2012

**01. Identification**

Product details	
Trade name	Oxydens
Application of the material / of the formulation	Cleansing tablets for dental splints

Identification of the manufacturer	
Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3, D-72285 Pfalzgrafenweiler
Information provided by	Chemie
Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92, e-mail: w.heuchert@erkodent.com
Emergency telephone number :	

**02. Hazards possibilities**

Hazard designation	Corrosive Dangerous for the environment
Particular information pertaining specific risk for human / environment	Causes burns. Harmful if swallowed.

**03. Composition/information on ingredients**

Chemical characterization			Gemisch			
Substance / product identification						
Hazardous ingredients						
		CAS no.	EINECS no.	%	Hazard symbols	R phrases
	Natriumpercarbonat Sodium carbonate peroxide	15630-89-4	239-707-6	10-25	Xn; Xi; O	22; 41; 8
	Natriumphosphat trisodium phosphate anhydrous	7601-54-9	231-509-8	10-25	Xi	36/38
	Amidosulfonsäure Sulfamic acid	5329-14-6	226-218-8	2,5-10	Xi	36/38, 52/53
	Kaliummonopersulfat potassium hydrogenperoxomonosulphate	10058-23-8	233-187-4	2,5-10	C; Xn; O	34; 22; 8
	Natriumperborat-monohydrat sodium perborate monohydrate	10332-33-9	231-556-4	2,5-10	T; Xn; Xi; O	61; 62-22; 37-41; 8
Additional information			-			

**04. First aid measures**

General Information	Remove contaminated clothing immediately and dispose of safely., Poisonous symptoms can first be observed after several hours, there- fore medical observation for at least 48 hours is necessary.
First aid measures / inhalation.	Ensure supply of fresh air., Remove the casualty into fresh air and keep him calm., In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.
First aid measures / skin contact.	In case of contact with skin wash off immediately with soap and water., Wash immediately with plenty of water for several minutes.
First aid measures / eye contact.	Separate eyelids, wash the eyes thoroughly with water (15 min.), Begin with medical treatment.
First aid measures / ingestion..	Rinse out mouth and give plenty of water to drink., Seek medical advice immediately.
Advice to doctor	--

**05. Fire-fighting measures**

Suitable extinguishing media	extinguishing measures to suit surroundings
Extinguishing media that must not be used for safety reasons	--
Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.	In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Sulphur dioxide (SO <sub>2</sub> )
Special protective equipment for firefighting	In case of combustion use a suitable breathing apparatus.
Additional informations (chapter 5)	Collect contaminated firefighting water separately, must not be discharged into the drains.

**06. Accidental release measures**

personal precautions.	Use personal protective clothing., Keep away sources of ignition., Avoid contact with skin, eyes and clothing.
environmental precautions.	Do not discharge into the subsoil/soil.
methods for cleaning up/taking up.	Pick up mechanically., Dispose of absorbed material in accordance with the regulations.
Additional informations (chapter 6).	Information regarding Waste Disposal, see chapter 13.

**07. Handling and storage**

Handling	
Hints on safe handling.	Open and handle container with care., Avoid dust formation.
Hints for protection against fire and explosion.	Keep away from sources of ignition - refrain from smoking., Protect from heat and direct sunlight.

Storage	
Requirements for storage rooms and vessels.	Store in a dry place, Keep container tightly closed, cool and dry.
Hints on storage assembly.	Keep away from reducing agents., Do not store with acids or alkalis.
Further information on storage conditions.	Protect from heat and direct sunlight.
Storage category	-
Storage stability	-
Recommended storage temperature	-

**08. Exposure controls/personal protection**

Additional hints on technical system design.	See chapter 7; no measures exceeding the ones mentioned are necessary.
Ingredients with occupational exposure limits to be monitored	-

Personal protective equipment Personal protective equipment Persönliche Schutzausrüstung	
Respiratory protection	If ventilation insufficient, use a respiratory protection apparatus.
Hand protection	Protective gloves
Eye protection	safety glasses
Skin protection	light protective clothing
General protective and hygiene measures	Do not inhale dust., Do not inhale fumes., Do not inhale mist., Avoid contact with eyes and skin., Do not eat or drink during work time., Remove soiled or soaked clothing immediately., Remove soiled or soaked clothing immediately.

**09. Physical and chemical properties**

Appearance.	
Form	solid
Colour	white

Odour	characteristic
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Safety data	
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## Changes in physical state

	n.a.	°C	
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## Flash point

	215	°C	
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## Ignition temperature

	n.a.	°C	
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## self ignition

explosion limits	n.a.	Vol %	
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Upper explosion limit	n.a.	Vol %	
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## Vapour pressure

	n.a.		
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## Density

	n.a.	g/cm3	20 °C
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## Solubility in water

	easily soluble	g/l	
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## Soluble in

	-	g/l	
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## pH-Value

	9,0		
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## Viscosity

	n.a.	M Pas	20 °C
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Other information ( chapter 9.)	-
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**10. Stability and reactivity**

Hazardous reactions	Reactions with alkalies.
Hazardous decomposition products	No hazardous decomposition products known.
Thermal decomposition	No decomposition if used as prescribed.
Additional informations (chapter 10)	-

**11. Toxicologic indications**

Acute toxicity	LD/LC50: 15630-89-4 Natriumpercarbonat
Acute oral toxicity	LD50: 1034 mm/kg rat, Product is severely caustic.
Acute dermal toxicity	LC50: >2000 mg/kg Rabbits
Acute inhalational toxicity	-

Irritant/corrosive effects	
Irritant effect on skin	corrosive, Irritating effects on the skin and mucous membrane.
Irritant effect on eyes	strongly corrosive, Product is severely caustic.

Sensitization	
Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	sensitizing
Other information (chapter 11.)	-
Experiences made in practice.	-
General remarks.	-

**12. Environmental indications**

Data on elimination ( persistence and degradability) :	
Physico-chemical eliminability	-
Biodegradability	-

Behaviour in environment compartments.	-
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Ecotoxic effect	
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Fish toxicity	-
Daphnia toxicity	-
Algae toxicity	-
Bacteria toxicity	-

Further ecological information	-
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Result of the evaluation of PBT characteristics	n.a.
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### 13. Disposal considerations

Disposal considerations	
Disposal / product	-
Disposal / contaminated packagings.	Completely emptied packagings can be given for recycling.

Waste code no. / name of waste (for Germany only)	59403 The stated Waste Code Number(s) according to the European Waste Catalogue (EAK) is (are) considered as a recommendation. A definite setting (establishment) should be carried out in co-ordination with the Regional Waste
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### 14. Transport information

Land transport ADR/RID	
Class	-
Number/letter	-
Hazard number (Kemler-number)	-
UN number	-
Technical name	-
Remarks	-

Inland waterways transport ADN/ADNR	
Class	-
Number/letter	-
Category	-
Technical name	-
Remarks	-

Marine transport IMDG/GGVSee	
Class	-
UN number	-
page	-
EmS	-
MFAG	-
MARINE POLUTANT	n.a.
Correct technical name	-
Remarks	-

Air transport ICAO/IATA	
Class	-
UN number	-
page	-
Correct technical name	-
Remarks	-

Other information (chapter 14.)	-
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### 15. Regulatory information

Labelling in accordance with GefStoffV/EC	
The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.	

Hazard symbols	C N	Corrosive Dangerous for the environment
TA-Luft / components		Natriumpercaronat Kaliummonopersulfat Natriumperborat-Monohydrat

R phrases	<b>R 22</b>	Harmful if swallowed.
	<b>R 34</b>	Causes burns.
	<b>R 36/38</b>	Irritating to eyes and skin.
	<b>R 37</b>	Irritating to respiratory system.
	<b>R 41</b>	Risk of serious damage to eyes.
	<b>R 52/53</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	<b>R 61</b>	May cause harm to the unborn child.
	<b>R 62</b>	Possible risk of impaired fertility.
	<b>R 8</b>	Contact with combustible material may cause fire.

S phrases	<b>S 3/7</b>	Keep container tightly closed in a cool place.
	<b>S 24/25</b>	Avoid contact with skin and eyes.
	<b>S 26</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	<b>S 28.2</b>	After contact with skin, wash immediately with water and soap.
	<b>S 37</b>	Wear suitable gloves.
	<b>S 51</b>	Use only in well-ventilated areas.

Other regulations	
Restriction of occupation.	§ 15a GefStoffV § 22 ArbStoffG §§ 4 u. 5 MuSchRiV
Decree for case of interference / remarks (for Germany only).	-
Classification according to VbF / remarks (for Germany only).	n.a.
TA-Luft (Ger.)	-
Water Hazard Class (Ger.)	-
Other regulations, restrictions and prohibition regulations (for Germany only)	-
Securityevaluation++Stoffsicherheitsbeurteilung	

## 16. Other information (chapter 16.).

BG Data sheet M 023 „Polyester- and Epoxy-Resins“

(n.a. = Not applicable; n.b.= not determined)

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.