

78740 Preventol® ON extra

Edition: 23.04.2003

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Information:

Product Name: Preventol® ON extra
Article No.: 78740
Application: Artists' and Restauration Material

Company: Kremer Pigmente GmbH & Co. KG
Hauptstrasse 41-47, D - 88317 Aichstetten
Tel. +49 7565 91120 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization:
Sodium-o-phenylphenolate, tetrahydrate
CAS No.: 006152-33-6

Chem. Name	EC No.	Index No.	CAS No.	Hazard Symbol	R-Phrases	Conc. %
Sodiumbiphenyl-2-yloxid	205-055-6	604-021-00-1	132-27-4	Xn, N	22, 37/38, 41, 50	> 69 %
Foodstuff additive: E 232						

3. HAZARD IDENTIFICATION



Xn Harmful



N Environmentally hazardous

Risk Phrases:

R 22: Harmful if swallowed.
R 37/38: Irritating to respiratory system and skin.
R 41: Risk of serious damage to eyes.
R 50: Very toxic to aquatic organisms.

4. FIRST AID MEASURES

General information: Remove contaminated clothing. Remove affected persons from danger area and lay person down.
After inhalation: Supply plenty of fresh air; consult physician.
After skin contact: Wash off immediately with plenty of water and soap. If irritation persists consult physician.
After eye contact: Rinse open eye for several minutes under running water. Consult physician in case of symptoms

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After ingestion:	Give plenty of water (if possible with medical charcoal) to drink. Rinse mouth - do not induce vomiting. Get medical help immediately.
Hints for physician:	See also Section 11.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: All suitable.
Protective equipment: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective equipment.
Environmental precautions: Keep away from sewerage system, waterways and earth.
Methods of cleaning/absorption: Contain spills mechanically. Transfer to separate suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling:

Instructions on safe handling: Avoid formation and deposition of dust. Provide good ventilation when handling large quantities.

Information on fire and explosion protection:

Keep away from sources of ignition. No not smoke. Take precautionary measures against static discharges.

Storage:

Storage conditions: Keep containers tightly closed. Store cool and dry. Protect against heat.

Storage classification: 8 A (flammable caustic liquids)

Shelf life: 24 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design

of technical systems: No further data; see item 7.

Components with workplace control parameters: ---

Personal protective equipment

General protective measures: Follow the usual good standards of occupational hygiene.

Avoid skin contact. Do not inhale gases/fumes/aerosols. Wash hands before breaks and after work.

Respiratory protection: Wear filter respirator in case of short-term or low exposure, e.g. P2 filter (DIN 3181).

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Hand protection:	Protective gloves. The glove material must be adequate to handle this product: PVC.
Eye protection:	Safety glasses with protective shields.
Body protection:	Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	flakes, finely grinded
Color:	colorless
Odor:	almost odorless

Changes in physical state:

Softening point:	about 80°C
Density: (20°C)	1.36 g/cm ³
Bulk Density:	400 - 450 kg/m ³ (flakes)
Bulk Density:	500 - 550 kg/m ³ (finely grinded)
Solubility in water: (25°C)	1200 g/l
pH Value:	11.1 - 11.8 (20 g/l water)
Distribution coefficient:	log P octanol/water: 2.95
Combustibility:	BZ = 3

10. STABILITY AND REACTIVITY

Thermal decomposition:	No decomposition if handled and stored according to specifications.
Hazardous decomposition products:	None if handled and stored according to specifications. In case of fire or thermal decomposition: formation of carbon oxide, dioxide and other toxic gases.
Hazardous reactions:	As with all dusty organic products: risk of dust explosion.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD ₅₀ (oral, rat):	1720 mg/kg
LD ₅₀ (inhalation, rat):	> 1331 mg as aerosol / m ³ (1h exposition). No symptoms observed at a concentration of 1.331 mg/l

Primary effect:

Irritant effect on skin:	caustic (exposition: 4 h)
Irritant effect on eye:	caustic

12. ECOLOGICAL INFORMATION

Elimination from water:

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Degree of degradability: > 80 %, very degradable
Testing method: closed bottle (BSB-test)

TOC-Value: 506 mg/g
CSB-Value: 1700 mg/l
BSB₅-Value: 0 mg/l

- Acute bacteria toxicity: EC₀ (Pseudomonas fluorescens): 1000 mg/l
- Fish toxicity, LC₀ (Brachydanio rerio): >20 - >50 mg/l (96 h)

- Water hazard class: 1 - slightly hazardous

Product does not contain any organically bound halogens which could lead to AOX values in waste water.

13. DISPOSAL CONSIDERATIONS

Product remains which cannot be further used or recycled should be disposed of in accordance with official local regulations, e.g. incineration in a suitable plant.

14. TRANSPORT INFORMATION

Land transportation:

ADR/RID-GGVSE-Class:	8	UN-No.:	3263
Packing group:	III	Label:	80
Correct technical name:	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Sodium-O-Phenyl Phenolate)		

Sea transportation:

IMDG/GGVSea-Class:	8	UN-No.:	3263
Packing group:	III	Label:	80
EMS-No.:	-	Marine pollutant:	no
Correct technical name:	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Sodium-O-Phenyl Phenolate)		

Air transportation:

ICAO/IATA-Class:	8	UN-No.:	3263
Packing group:	III	Subsidiary Risks:	-
Correct technical name:	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Sodium-O-Phenyl Phenolate)		

15. REGULATORY INFORMATION

Designation according to EC guidelines: The material is subject to classification according to EC lists.

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Hazard designation:



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Risk Phrases:

- R 22: Harmful if swallowed.
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R 41: Risk of serious damage to eyes.
R 50: Very toxic to aquatic organisms.

Safety Phrases:

- S 22: Do not breathe dust.
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

National (D) Regulations:

Water hazard class: 1, slightly toxic

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.