

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

Labshop

Chemicals, Restoration and Art Supplies

78740 Preventol® ON extra

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Revised edition: 10.12.2018

Version: 2

Printed: 16.04.2019

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Preventol® ON extra

Article No.: 78740

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Biocide
Preservative for fibers, leather, rubber and polymerized materials
Preservative for construction materials

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Interlabshop B.V.

Address: Lage Brink 23, 7317 BD Apeldoorn The Netherlands

Tel./Fax.: Tel. +3155-5215016

Internet: www.Labshop.nl

Email: labshop@labshop.nl

Importer: --

1.4. Emergency No. --

Emergency No.: --

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation
(EC) No. 1272/2008 (CLP/GHS)

Acute toxicity (oral), hazard category 4
Skin corrosion, hazard category 1A
Specific Target Organ Toxicity (single exposure), hazard category 3
Hazardous to the aquatic environment, acute category 1
Hazardous to the aquatic environment, chronic category 1
H302 Harmful if swallowed.

Cat.: 4

H314

Cat.: 1A

H335

Cat.: 3

H410

Cat.: 1

Causes severe skin burns and eye damage.

May cause respiratory irritation.

Very toxic to aquatic life with long lasting effects.

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

Classification according to Regulation
(EC) No. 1272/2008 (CLP/GHS)

Hazard designation:

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GHS05-2



GHS07



GHS09

Signal word:

Danger

Hazard designation:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

Safety designation:

P260a	Do not breathe dust.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P301+P330+P331	If swallowed: Rinse mouth. Do not induce vomiting.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310	Immediately call a poison center or physician.
P391	Collect spillage
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P501	Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2. 3. Other Hazards

3. Composition/Information on Ingredients

3. 1. Substance

3. 2. Mixture

This produkt is a mixture.

Chemical Characterization:

Information on Components / Hazardous Ingredients:

2-Phenylphenol (ISO) (Biphenyl-2-ol) (H315-319-335-400-410); REACH Reg. No. 01-2119511183-53	70-90 %	CAS-Nr: 90-43-7 EINECS-Nr: 201-993-5 EC-Nr: 604-020-00-6
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Sodium hydroxide (H290-314-318); REACH Reg.	10-20 %	CAS-Nr: 1310-73-2
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No. 01-2119457892-27

EINECS-Nr: 215-185-5

EC-Nr: 011-002-00-6

Additional information:

4. First Aid Measures**4.1. Description of the First Aid Measures***General information:**Immediately get medical help.**After inhalation:**Consult physician immediately.**Supply fresh air. If required give artificial respiration. In case of complaints or unconsciousness consult a physician. In case of unconsciousness place patient stable in side position for transportation.**Do not give mouth-to-mouth or mouth-to-nose resuscitation.**After skin contact:**Consult a physician immediately.**Wash off immediately with soap and plenty of water and rinse thoroughly.**Wash contaminated clothing with water before removing or wear protective gloves.**Chemical burns have to be treated immediately by a physician.**Wash contaminated clothing before reuse.**Clean contaminated shoes before reuse.**After eye contact:**Consult a physician immediately.**Remove contact lens. Rinse open eyes with plenty of water (10-15 min). Should irritation continue, seek medical advice.**Chemical burns have to be treated immediately by a physician.**After ingestion:**Immediately get medical help.**Rinse mouth with water and give plenty of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.**Do not induce vomiting.**In case of unconsciousness, store, respectively transport in stable side position.***4.2. Most important Symptoms and Effects, both Acute and Delayed***Symptoms:**See Section 13.**Effects:**No further information available.***4.3. Indication of any Immediate Medical Attention and special Treatment needed***Treatment:**See Section 13.*

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5. Fire-Fighting Measures**5.1. Extinguishing Media***Suitable extinguishing media:**Foam, carbon dioxide (CO₂), extinguishing powder, water spray.**Unsuitable extinguishing media:**Water with full jet.***5.2. Special Hazards arising from the Substance or Mixture***Special hazards:**In case of fire: formation of carbon monoxide and carbon dioxide, metal oxides, oxides.***5.3. Advice for Firefighters***Protective equipment:**Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.**Further information:**Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.*

6. Accidental Release Measures**6.1. Personal Precautions, Protective Equipment and Emergency Procedures***Personal precautions:**Ensure adequate ventilation.**Wear protective clothing.**Avoid contact with skin, eyes and clothing.***6.2. Environmental Precautions***Environmental precautions:**Prevent contamination of soil, drains and surface waters.**Contact local authorities if product pollutes soil or vegetation.***6.3. Methods and Material for Containment and Cleaning Up***Methods and material:**Remove the container from the discharge area.**Take up mechanically and collect in suitable labelled containers for disposal.**Dispose of contaminated material as waste according to section 13.***6.4. Reference to other Sections***Protective clothing, see Section 8.**Dispose of contaminated material according to Section 13.*

7. Handling and Storage**7.1. Precautions for Safe Handling***Instructions on safe handling:**Do not eat or drink during work. Do not smoke.**Wear adequate protective clothing (see para. 8).*

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Provide adequate ventilation.

Keep containers tightly closed when not in use. Do not reuse empty containers.

Hygienic measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store the product in the original tightly sealed containers in a dry and cool place.

Protect product from direct sunlight.

Do not store product in unlabelled containers.

Requirements for storage areas and containers:

Store the product in the original container.

Close open containers with care and store in an upright position to avoid spilling.

Information on fire and explosion protection:

Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.

Dust may form an explosive mixture with air.

Do not store together with: foodstuffs, beverages and feed.

Storage class:

8 A: combustible corrosive substances

Further Information:

Storage temperature: 5 - 40°C

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

2-Phenylphenol (90-43-7): TWA: 5 mg/m³ (8h; inhalable dust fraction)

TLV: 1.25 mg/m³ air-borne fraction (general dust limit)

TLV: 10 mg/m³ inhalable fraction (general dust limit)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

2-Phenylphenol:

0.4 mg/kg bw/d (consumer, swallowing, long-term exposition - systemic effect)

19.25 mg/m³ (worker, inhalation, long-term exposition - systemic effect)

1.2 mg/m³ (consumer, inhalation, long-term exposition - systemic

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effect)

21.84 mg/kg bw/d (worker, skin contact, long-term exposition - systemic effect)

0.4 mg/kg bw/d (consumer, skin contact, long-term exposition - systemic effect)

Sodium hydroxide: 1 mg/m³ (consumer, inhalation, long-term exposition - local effects); 1 mg/m³ (worker, inhalation, long-term exposition - local effects)

Predicted No-Effect Concentration (PNEC):

2-Phenylphenol:

Fresh water: 0.0009 mg/l

Sea water: 0.00009 mg/l

Fresh water sediment: 0.1284 mg/kg dw

Sea water sediment: 0.01284 mg/kg dw

Intermittent release: 0.027 mg/l

Sewage treatment plant (STP): 0.56 mg/l

Soil: 2.5 mg/kg dw

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Ensure adequate ventilation, especially in confined areas.

Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

Personal Protection

General protective measures:

Avoid contact with skin and avoid inhalation of vapour. Do not eat, drink or smoke while working.

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Wash contaminated clothes before reuse.

Respiratory protection:

Required in case of insufficient ventilation (EN 143 or 149).

Wear protective mask, particle filter P2 or FFP2 or NIOSH N95 (for solid and liquid particles, EN 143, 149) if dust occurs.

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

Protective glove material:

Polychloropren (CR) (< 60 min)

Polyvinyl chloride (PVC) (< 60 min)

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

No special measures required.

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9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form:	<i>solid</i>
Color:	<i>colorless - yellowish</i>
Odor:	<i>weak, characteristic</i>
Odor threshold:	<i>No information available.</i>
pH-Value:	<i>not available</i>
Melting temperature:	<i>53 - 60°C</i>
Boiling temperature:	<i>not applicable</i>
Flash point:	<i>not applicable</i>
Evaporation rate:	<i>not applicable</i>
Flammability (solid, gas):	<i>not available</i>
Upper explosion limit:	<i>no information available</i>
Lower explosion limit:	<i>no information available</i>
Vapor pressure:	<i>1.2 Pa (20°C; OECD 104)</i>
Vapor density:	<i>No information available.</i>
Density:	<i>1.3 kg/l (20°C)</i>
Solubility in water:	<i>0.53 mg/l (pH 5, 20°C) 0.64 mg/l (pH 9, 20°C)</i>
Coefficient of variation (n-Octanol/Water):	<i>2-Phenylphenol (90-43-7): logPOW: 3.18 (22,5°C; OECD 107)</i>
Auto-ignition temperature:	<i>555°C (708.8°F)</i>
Decomposition temperature:	<i>No data available.</i>
Viscosity, dynamic:	<i>not applicable</i>
Explosive properties:	<i>Risk of dust explosion.</i>
Oxidizing properties:	

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No information available.

	<i>Bulk density:</i>	400 - 450 kg/m ³
9. 2.	Further Information	
	<i>Solubility in solvents:</i>	
	<i>Viscosity, kinematic</i>	
	<i>Burning class:</i>	BZ 3
		Combustion factor 3: Local burning without spreading.
	<i>Solvent content:</i>	
	<i>Solid content:</i>	
	<i>Particle size:</i>	
	<i>Other information:</i>	

No further information.

10. Stability and Reactivity

10.1.	Reactivity	<i>The product is stable.</i>
10.2.	Chemical Stability	<i>Stable if used according to specifications.</i>
10.3.	Possibility of Hazardous Reactions	<i>None if handled and stored according to specifications. Dust can form explosive mixtures with air.</i>
10.4.	Conditions to Avoid	
	<i>Conditions to avoid:</i>	<i>Avoid heat, open fire and other ignition sources. Avoid formation of dust.</i>
	<i>Thermal decomposition:</i>	
10.5.	Incompatible Materials	<i>No information available.</i>
10.6.	Hazardous Decomposition Products	<i>None known.</i>
10.7.	Further Information	

11. Toxicological Information

11. 1.	Information on Toxicological Effects	
	<i>Acute Toxicity</i>	
	<i>LD50, oral:</i>	591 mg/kg (rat; OECD 401)
	<i>LD50, dermal:</i>	> 5000 mg/kg (rat; OECD 402)
	<i>LC50, inhalation:</i>	
		<i>No information available.</i>
	<i>Primary effects</i>	
	<i>Irritant effect on skin:</i>	

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Causes chemical burns (rabbit; OECD 404)

Irritant effect on eyes:

Risk of serious damage to eyes (rabbit; OECD 405)

Inhalation:

Irritates the respiratory tract.

Ingestion:

Harmful if swallowed.

Sensitization:

Non sensitizing (guinea pig; OECD 406).

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

2-Phenylphenol: based on available data the classification criteria are not met (ECHA)

Carcinogenicity:

2-Phenylphenol: based on available data the classification criteria are not met (ECHA)

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no information available.

Repeated exposure: NOAEL (oral): > 300 mg/m³ bw/d (rat, m/f; OECD 453); NOAEL (dermal): > 1000 mg/kg (21d; rat, m/f; OECD 410)

Additional toxicological information:

If splashed in the eyes, the liquid may cause irreversible damage and blindness.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

*LC50: 2.6 mg/l (96h, *Oncorhynchus mykiss*); NOEC: 0.036 mg/l (21d, *Pimephales promelas*)*

Daphnia toxicity:

*EC50: 2.7 mg/l (48h, *Daphnia magna*)
NOEC: 0.006 mg/l (21d, *Daphnia magna*; OECD 211)*

Bacteria toxicity:

No data available.

Algae toxicity:

*ErC50: 3.57 mg/l (72h, *Pseudokirchneriella subcapitata*; OECD 201)
NOEC: 0.468 mg/l (72h, *Pseudokirchneriella subcapitata*; OECD 201)*

12.2. Persistency and Degradability

2-Phenylphenol: 70.8 - 75.7 % (28d); readily biodegradable

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(OECD 301B)

12. 3. Bioaccumulation

2-Phenylphenol: logPow: 3.18 (low) (22.5°C); BCF: 22 (OECD 207; ECHA)

12. 4. Mobility

No information available.

12. 5. Results of PBT- und vPvP Assessment

This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.

12. 6. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Behaviour in sewage systems:

Further ecological effects:

Do not let product enter waterways or sewage system.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

If possible reuse product.

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Waste codes should be assigned by the user based on the application for which the product was used.

Uncleaned packaging:

Packaging may be disposed of in the same manner as the product.

Possible residues in empty container can be dangerous. Do not reuse container.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

3263

14. 2. UN Proper Shipping Name

ADR/RID:

ÄTZENDER BASISCHER ORGANISCHER FESTER STOFF, N.A.G. (Natriumhydroxid)

IMDG/IATA:

CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide, Biphenol-2-ol)

14. 3. Transport Hazard Classes

ADR Class:

8

Hazard no.:

8

Classification code:

C8

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	<i>Tunnel restriction code:</i>	<i>E</i>
	<i>IMDG Class (sea):</i>	<i>8</i>
	<i>Hazard no.:</i>	<i>8</i>
	<i>EmS No.:</i>	<i>F-A, S-B</i>
	<i>IATA Class:</i>	<i>8</i>
	<i>Hazard no.:</i>	<i>8</i>
14. 4.	Packaging Group	
	<i>ADR/RID:</i>	<i>II</i>
	<i>IMDG:</i>	<i>II</i>
	<i>IATA:</i>	<i>II</i>
14. 5.	Environmental Hazards	
		<i>Labelling according 5.2.1.8 ADR/RID: fish and tree</i>
		<i>Labelling according 5.2.1.6.3 IMDG: fish and tree</i>
		<i>Classification as environmentally hazardous according 2.9.3</i>
		<i>IMDG: yes</i>
14. 6.	Special Precautions for User	
14. 7.	Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code	
		<i>not evaluated</i>
14. 8.	Further Information	
15.	Regulatory Information	
15. 1.	Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture	
	<i>Water hazard class:</i>	<i>2, hazardous for water (according to the German Regulation AwSV)</i>
	<i>Local regulations on chemical accidents:</i>	<i>Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances (Seveso III):</i>
		<i>Category: E1: Hazardous to the aquatic environment</i>
	<i>Employment restrictions:</i>	
	<i>Restriction and prohibition of application:</i>	<i>EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable</i>
	<i>Technical instructions on air quality:</i>	
15. 2.	Chemical Safety Assessment	
		<i>A Chemical Safety Assessment has not been carried out for this product.</i>
15. 3.	Further Information	
		<i>EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable</i>
		<i>Regulation (EU) No. 528/2012 concerning the making available on the market and use of biocidal products:</i>
		<i>Use biocides safely. Always read the label and product information</i>

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before use.

BAuA Registrations number: N-60317, N-60318

2-Phenylphenol (Biphenyl-2-ol) (634 g/kg)

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 be therefore not be construed as guaranteeing specific properties.