

Material Safety Data Sheet

According to 91/155 EEC

Printing date 27.07.2005

Reviewed on 27.07.2005

1 Identification of substance

- **Product details**
 - **Trade name:** Microcare PE
 - **Application of the substance / the preparation** Preservative
 - **Manufacturer/Supplier:**
THOR GmbH
Landwehrstraße 1

67346 Speyer
Deutschland
 - **Informing department:**
Cosmetics Division:
Phone: +44 (0) 1606 818875
Fax: +44 (0) 1606 818801
e-mail: microcare@thor.uk.com
 - **Emergency information:** Emergency phone number (24 h service): +49 6 21 60-4 33 33
- THOR SPECIALITIES (UK) LTD.
Wincham Avenue
Wincham Northwich
Cheshire CW9 6GB
Great Britain

2 Composition/Data on components

- **Chemical characterization:**
- **CAS No. Designation:**
122-99-6 2-phenoxyethanol
- **Identification number(s):**
- **EINECS Number:** 204-589-7
- **EC Number:** 603-098-00-9

3 Hazards identification

- **Hazard designation:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**
R 22 Harmful if swallowed.
R 36 Irritating to eyes.
- **Classification system** EC-classification published in CHIP approved supply list.

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Take off contaminated clothing immediately.
Wash immediately with plenty of water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for at least 15 minutes under running water and Apply a sterile protective bandage. Get medical attention.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Administer activated charcoal (3 table spoons elutriated in glass of water).

(Contd. on page 2)

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Trade name: Microcare PE

Do not induce vomiting. Call for medical help.

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents** Water spray jet, extinguishing powder, CO₂, foam.
- **Unsuitable extinguishing agents for reasons of safety:** None
- **Special hazards caused by the material, its products of combustion or flue gases:**
In case of fire, toxic incineration products may be released such as:
Carbon monoxide (CO)
- **Protective equipment:** Wear self-contained breathing apparatus.

6 Accidental release measures

- **Personal safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Prevent from spreading (e. g. by dusting a ring of chemical binder).
Do not allow product to enter waters without treatment in a (biological) water treatment plant.
Inform authorities in case of contamination of water or sewage system.
- **Measures for cleaning/collecting:**
Soak up with inert absorbent (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good exhaust ventilation at the workplace.
- **Information about protection against explosion and fire:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** Keep containers tightly sealed.
- **Information about storage in a common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:** Protect from frost.

8 Exposure controls and personal protection:

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
- **Additional information:** Information valid at the time of review of safety data sheet.
- **Personal protective equipment**
- **General protective and hygienic measures**
Use skin protection cream for preventive skin protection.
Avoid contact with the eyes and skin.
Wash hands during breaks and at the end of the shift.
- **Respiratory protection:**
Use breathing protection with high concentrations.
Filter A/P2.

(Contd. on page 3)

GB

Material Safety Data Sheet

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(Contd. of page 2)

· Protection of hands:



Chemical protective gloves (only CE-registration cat. III)

Check protective gloves prior to each use for their proper condition.
After use of gloves apply skin-cleaning agents and skin cosmetics.

- **Material of gloves** Nitrile rubber, NBR
- **Not suitable are gloves made of the following materials:** Leather gloves

· Eye protection:



Safety goggles

- **Body protection:** Protective clothing.

9 Physical and chemical properties:

· General Information

Form: liquid
Colour: colourless
Odour: Weak, characteristic

· Change in condition

Melting point/Melting range: 13°C
Boiling point/Boiling range: 244°C

· **Flash point:** 121°C

· **Ignition temperature:** 535°C

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· Critical values for explosion:

Lower: 1.4 Vol %
Upper: 9 Vol %

· **Vapour pressure at 20°C:** 0.04 hPa

· **Density at 20°C** ca. 1.1 g/cm³

· Solubility in / Miscibility with

Water at 20°C: 24 g/l

· **pH-value at 20°C:** ca. 5.5

10 Stability and reactivity

- **Conditions to be avoided:** Protect from temperatures < 0°C.
- **Minimum shelf life:** 24 months from production date
- **Materials to be avoided:** Oxidizing agents
- **Dangerous reactions** Possible formation of peroxide

(Contd. on page 4)

GB

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(Contd. of page 3)

- **Dangerous products of decomposition:**
None, if storage and handling is done according to specification.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

122-99-6 2-phenoxyethanol

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect
- **Sensitization:** No sensitising effect known.

12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Method** OECD 302B (Zahn-Wellens-Test), 28 d
- **Analysing method** DOC-Elimination
- **Degree of elimination:** > 70 %, 10d-Window
- **Other information:** The components are readily biodegradable/to eliminate.

- **Ecotoxicological effects:**

- **Aquatic toxicity:**

122-99-6 2-phenoxyethanol

EC10 / 17h	320 mg/l (Activated sludge organisms)
EC50 / 48 h	> 500 mg/l (Daphnia)
EC50 / 72 h	> 500 mg/l (algae)
LC50 / 96 h	> 100 mg/l (Leuciscus idus m.)

- **Remark:**

If contaminated effluent water is properly entered into the sewage system, any interference with the degrading activity of the activated sludge organisms must not be expected.

- **Additional ecological information:**

- **AOX-indication:**

The product does not contain substances, which can influence the AOX of waste water.

- **The formulation contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**

Due to its formulation, the product does not contain any heavy metals.

- **General notes:**

The product may not be released into the aquatic environment without preliminary treatments (biological purification plant).

13 Disposal considerations

- **Product:**

- **Recommendation**

Product must be disposed of according to local regulations pertaining to the disposal of hazardous waste.

(Contd. on page 5)

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(Contd. of page 4)

- **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 99	wastes not otherwise specified

- **Contaminated packaging:**

- **Recommendation:**

Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information:

- **Land transport ADR/RID (cross-border/domestic):**

- **ADR/RID/ADG (Australia) Class:** -

- **Maritime transport IMDG/GGVSea:**

- **IMDG Class:** -

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

- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not hazardous for transport according to a.m. regulations.

15 Regulatory information

- **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (CHIP)

- **Code letter and hazard designation of product:**



Xn Harmful

- **Hazard-determining components of labelling:**

2-phenoxyethanol

- **Risk phrases:**

22 Harmful if swallowed.

36 Irritating to eyes.

- **Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

60 This material and its container must be disposed of as hazardous waste.

- **Designation and concentration of biocidal ingredients according to EC directive 98/8/EC:**

2-phenoxyethanol

- **National regulations**

- **Regulations which may apply in event of accident:**

Control of Major Accident Hazards (COMAH)

Not listed in the COMAH.

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

GB

(Contd. on page 6)

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(Contd. of page 5)

16 Other information:

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Training hints**

Further information under the regulations of use can be taken from the Product Data Sheet.

Should you require any information regarding classification and registration of preparations containing this product please contact our Regulatory Affairs Department, Tel: +44(0)1606 818 875, E-Mail: davidw@thor.uk.com.

- **Department issuing data specification sheet:** Cosmetics Division

- **Contact:** David K. Wood

- *** Data compared to the previous version altered.**

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