

euxyl® PE 9010**No Change Service!**

Version 03.00

Revision Date 05.04.2012

Print Date 15.07.2014

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

Trade name : euxyl® PE 9010

1.2 Relevant identified uses of the substance or mixture and uses advised againstUse of the Sub- : Preservative for cosmetics & toiletries
stance/Mixture**1.3 Details of the supplier of the safety data sheet**Producer/Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 2
22851 Norderstedt
Germany
Telephone: +4940521000
Telefax: +494052100318
mail@schuelke.com
www.schuelke.comContact person : SAI/AT +49 40 52100 100 or S&M UK +44 114 254 3500
sai-at@schuelke.com**1.4 Emergency telephone number**Emergency telephone num- : UK Poisons Emergency number: 0870 600 6266
ber
Emergency telephone num- : +49 (0)40 / 52 100 -0
ber**2. Hazards identification****2.1 Classification of the substance or mixture****Classification (67/548/EEC, 1999/45/EC)**

Harmful

R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

2.2 Label elements**Labelling according to EC Directives (1999/45/EC)**

Hazard pictograms



Harmful

R-phrase(s)

: R22
R41

Harmful if swallowed.

Risk of serious damage to eyes.

S-phrase(s)

: S26

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

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according to Regulation (EC) No. 1907/2006

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S39

Wear eye/face protection.

Hazardous components which must be listed on the label:

- 122-99-6 2-Phenoxyethanol

2.3 Other hazards

No special risks known.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : solution

Hazardous components

Chemical Name	Index-Number CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
2-Phenoxyethanol	603-098-00-9 122-99-6 204-589-7 1- 2119488943- 21-XXXX	Xn; R22 Xi; R36	Acute Tox. 4; H302 Eye Irrit. 2; H319	88,5 - 91,5 %
3-(2-ethylhexyloxy)propane-1,2-diol	603-168-00-9 70445-33-9 408-080-2 01- 0000015745- 65-0001	Xn; R20-R41- R52/53	Eye Dam. 1; H318 Acute Tox. 4; H332 Aquatic Chronic 3; H412	8,5 - 11,5 %

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

General advice : Take off all contaminated clothing immediately.

If inhaled : If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with plenty of water.

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

If swallowed : Obtain medical attention.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

5. Firefighting measures**5.1 Extinguishing media**Suitable extinguishing media : Water
Dry powder
Foam
Carbon dioxide (CO₂)

Unsuitable extinguishing media : No information available.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : No information available.

5.3 Advice for firefighters

Specific risk from the substance or the product itself, its combustion products or evolved gases : Decomposition products, see chapter 10

6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.

6.2 Environmental precautionsEnvironmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.**6.3 Methods and materials for containment and cleaning up**Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).**6.4 Reference to other sections**

See chapter 8 + 13

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7. Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : Handle and open container with care.

Advice on protection against fire and explosion : No special protective measures against fire required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.

Further information on storage conditions : Keep away from direct sunlight.
Limited stability - see label on pack
Keep container tightly closed.

Advice on common storage : Keep away from food and drink.

7.3 Specific end uses

none

8. Exposure controls/personal protection**8.1 Control parameters**

Components	CAS-No.	Value	Control parameters	Basis
2-Phenoxyethanol	122-99-6	Permissible exposure limit	20 ppm 110 mg/m ³	TRGS 900
2-Phenoxyethanol	122-99-6	Ceiling Limit Value	40 ppm 220 mg/m ³	TRGS 900

8.2 Exposure controls**Personal protective equipment**Hand protection : Impervious gloves
Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0,11 mm) made by KCL or gloves from other manufacturers offering the same protection.
Prolonged contact: Butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.

Eye protection : Tightly fitting safety goggles

Hygiene measures : Take off all contaminated clothing immediately.

Protective measures : Avoid contact with skin and eyes.

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Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

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

Appearance : Liquid
Colour : nearly colourless
Odour : characteristic

Flash point : > 100 °C, ISO 2719
pH : 6 - 8, Concentration: 10,00 g/l, 20 °C
Initial boiling point : > 100 °C
Density : ca. 1,0871 - 1,0923 g/ml, 20 °C
Water solubility : 10 g/l, 20 °C
Flow time : < 15 s, 20 °C, DIN 53211

9.2 Other information

Refractive index : 1,522 - 1,534, 20 °C

10. Stability and reactivity**10.1 Reactivity**

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored normally.

10.3 Possibility of hazardous reactions

None reasonably foreseeable.

10.4 Conditions to avoid

Protect from frost, heat and sunlight.

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

Decomposition products : None reasonably foreseeable.

11. Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

- || 2-Phenoxyethanol : LD50: 1260 mg/kg, rat
3-(2-ethylhexyloxy)propane-1,2-diol : LD50: > 2000 mg/kg, rat, OECD Test Guideline 401

Acute inhalation toxicity

- 2-Phenoxyethanol : 8 h, rat, An LC50/ inhalation could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity

- || 2-Phenoxyethanol : LD50: > 2000 mg/kg
3-(2-ethylhexyloxy)propane-1,2-diol : LD50: > 2000 mg/kg, rat, OECD Test Guideline 402

Skin irritation

- || 2-Phenoxyethanol : rabbit, Result: According to the classification criteria of the European Union, the product is not considered as being a skin irritant., OECD Test Guideline 404
3-(2-ethylhexyloxy)propane-1,2-diol : Result: Mildly irritant - does not need to be labelled, OECD Test Guideline 404

Eye irritation

- || 2-Phenoxyethanol : rabbit, Result: Irritating to eyes., OECD Test Guideline 405
3-(2-ethylhexyloxy)propane-1,2-diol : Result: Risk of serious damage to eyes., OECD Test Guideline 405, Test substance: concentrate

Sensitisation

- || 2-Phenoxyethanol : Maximisation Test, guinea pig, Result: Did not cause sensitization on laboratory animals., OECD Test Guideline 406
3-(2-ethylhexyloxy)propane-1,2-diol : Result: Did not cause sensitization on laboratory animals., OECD Test Guideline 406

Germ cell mutagenicity

- 3-(2-ethylhexyloxy)propane-1,2-diol : Result: Not mutagenic in Ames Test. , OECD 471

Mutagenicity

- || 2-Phenoxyethanol : Not mutagenic in Ames Test.

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Reproductive toxicity

|| 2-Phenoxyethanol : Animal testing did not show any effects on fertility.

Teratogenicity

|| 2-Phenoxyethanol : Did not show teratogenic effects in animal experiments.

Repeated dose toxicity

|| 2-Phenoxyethanol : rat, Oral, NOAEL: 1.000 mg/kg

Further information

: The classification was made according to the calculation procedure of the Preparations Directive.

12. Ecological information**12.1 Toxicity**

Toxicity to fish

2-Phenoxyethanol : LC50: > 100 mg/l, 96 h, Leuciscus idus (Golden orfe)

3-(2-ethylhexyloxy)propane-1,2-diol : LC50: 60,2 mg/l, Brachidanio rerio

Toxicity to daphnia and other aquatic invertebrates.

2-Phenoxyethanol : EC50: > 500 mg/l, 48 h

3-(2-ethylhexyloxy)propane-1,2-diol : EC50: 78,3 mg/l, 48 h, Daphnia magna

Toxicity to algae

2-Phenoxyethanol : EC50: > 500 mg/l, 72 h, Desmodesmus subspicatus (green algae)

3-(2-ethylhexyloxy)propane-1,2-diol : IC50: 48,3 mg/l, 72 h, Desmodesmus subspicatus (green algae)

Toxicity to bacteria

2-Phenoxyethanol : EC10: 320 mg/l, 17 h, Pseudomonas putida

3-(2-ethylhexyloxy)propane-1,2-diol : EC50: 560 mg/l, OECD 209

12.2 Persistence and degradability

Biodegradability

: Result: According to the results of tests of biodegradability this product is considered as being readily biodegradable., OECD 301D / EEC 84/449 C6

12.3 Bioaccumulative potential

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Partition coefficient: n-octanol/water

2-Phenoxyethanol : log Pow: 1,16

3-(2-ethylhexyloxy)propane-
1,2-diol : log Pow: 2,53**12.4 Mobility in soil**

Mobility : no data available

12.5 Results of PBT and vPvB assessment

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effectsAdsorbed organic bound
halogens (AOX) : Product does not contain any organic halogens.**13. Disposal considerations****13.1 Waste treatment methods**Product : Dispose of as special waste in compliance with local and national regulations.
Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

Waste key for the unused
product(Group) : The waste producer itself must, in consultation with the appropriate authorities and a waste disposal company, obtain a waste code from the EWC (European Waste Catalogue),**14. Transport information**|| **ADR** : UN number none
Proper shipping name

-

|| Transport hazard class -
Packaging group -
Environmental hazards -
Classification Code -
ADR/RID-Labels -|| **IMDG** : UN number none
Proper shipping name

-

|| Transport hazard class -
Packaging group -
Environmental hazards -
EmS -

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II IATA : UN number none

Proper shipping name

-

II Transport hazard class -

Packaging group -

Environmental hazards -

Special precautions for user

none

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

Exempt

15. Regulatory information

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

Legislation on the control of major-accident hazards involving dangerous substances : Directive 96/82/EC does not apply

Volatile organic compounds (VOC) content : 90 %
Directive 2004/42/EC

15.2 Chemical Safety Assessment

Exempt

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R20	Harmful by inhalation.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

II Changes compared with the previous edition!!!

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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