



Supplied by:

ANDREA GALLO DI LUIGI S.r.l.u.

Company founded in 1892

Via Erzelli 9, 16152 Genova, Italy Tel. +39 (0)10 6502941

www.andreagallo.it

s&m Phenoxyethanol

Preservative for technical products

- Good head space protection
- Stable to hydrolysis, temperature and pH

Active substance

EINECS-Name: 2-Phenoxyethanol	CAS-No. 122-99-6	EC-No. 204-589-7
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Physico-chemical properties

Colour	colourless
Form	Liquid
Odour	characteristic
Density (20 °C)	1.103 - 1.108 g/ml
solidification temperature	ca. 13 °C
Boiling point/boiling range	245 °C
Flash point (DIN 51758)	120 °C
Viscosity (20 °C)	ca. 30 mPa*s
Water solubility (20 °C)	24 g/l
Foaming characteristics	Non foaming
VOC-Content to Directive 2004/42/EC	100 %
pH (10 g/l)	ca. 6

Fields of application

The optimum use level should be evaluated by means of a repeated challenge test (e.g. at Vink Technical support department).

Use biocides safely. Always read the label and product information before use.

	Recommended dosage	
Dispersion paints, coatings, plaster, polymer dispersions, adhesives, sealants, starch solutions, detergents, concrete admixtures	5 - 10 g/kg	(0.5 - 1.0 %)
Other applications	Kindly contact us.	

Indications for use

General Information	s&m Phenoxyethanol is fully effective both in anionic as well as cationic systems. Effective in pH ranges up to 12
Solubility(ies)	In water and non-polar solvents only limitedly soluble. To dissolve s&m Phenoxyethanol in water, an agitator with good turbulence is necessary. In polar solvents readily soluble.
Compatibility with surfactants	s&m Phenoxyethanol proved to have good chemical compatibility with anionic surfactants such as sulphates, ether sulphates and sulphosuccinates, as well as with non-ionogenic surfactants. Ethoxylated surfactants may lead to loss of effectiveness.
Compatibility with sulphite ions	s&m Phenoxyethanol exhibits no interaction with sulphite ions.
Recommended use pH range	< 12
Maximum use temperature	> 100 °C

Microbiological efficacy

The efficacy of the product has been tested against the following microorganisms according to DGHM (German Society for Hygiene and Microbiology). Determination of the minimum inhibitory concentration in the serial dilution test produced the following values (MIC in % of the product):

Bacteria (gram-negative)	MIC	Bacteria (gram-positive)	MIC	Yeasts	MIC
<i>Escherichia coli</i>	0.50	<i>Staphylococcus aureus</i>	1.00	<i>Candida albicans</i>	0.50
<i>Pseudomonas aeruginosa</i>	0.50			Moulds	MIC
				<i>Aspergillus niger</i>	0.50
				<i>Penicillium funiculosum</i>	0.25

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Compatibility*		
	compatible	to be avoided
concentrate	stainless steel, brass, copper, zinc, aluminium, polyethylene, PVC (hard), ethylene-propylene-terpolymer (EPDM), polytetrafluoroethylene (PTFE)	polycarbonate, polymethyl methacrylate (PMMA), acrylo-nitrile butadiene styrene polymer (ABS), sealants other than mentioned
aqueous dilution (1.0 %)	No significant difference to water	Water incompatible materials

*Compatibility has to be proved in each case

Labelling	
Hazard statements	H302, H318, H335
Precautionary statements	P280, P305 + P351 + P338, P310, P403 + P233
Labelling	Danger - GHS05, GHS07
For further hazard instructions and safety advice please refer to the actual material safety data sheet.	

Environmental information
 s&m Phenoxyethanol contains only biodegradable components. Dilutions of s&m Phenoxyethanol do not normally interfere with the operation of waste water treatment plants. The canisters and drums used by Vink are made of polyethylene (HDPE) and are labelled accordingly. The 1000 kg containers are covered by a return scheme that ensures collection of the used containers free of charge and appropriate reuse all over Europe. The labels are made of PE. Vink packaging materials contain no PVC and can be recycled. For further information please ask for our detailed environmental report.

Listings and approvals of active ingredients
EINECS / ELINCS (Europe)
TSCA (USA)
ECL (Korea)
DSL / NDSL (Canada)
ENCS (Japan)
PICCS (Philippines)
IECSC (China)
AICS (Australia)
FDA 175.105

Transport & Storage	
Dangerous goods	No
UN number	-
Packaging group	-
Package sizes	230 kg, 1100 kg
Shelf life	24 months
Storage	Protect from frost, heat and direct sunlight. Store at room temperature in the original container.

Our recommendations regarding our products are given in good faith, but imply no corresponding liability. Our Conditions of Sales and Supply apply in all other respects.

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Vink Chemicals GmbH & Co. KG
 Eichenhöhe 29
 D-21255 Kakenstorf
 Tel. + 49 4186/88797-0
 Fax.: +49 4186/88797-10
 Support@vink-chemicals.com