

Safety Data Sheet

#30750161 · Full 16-section SDS

According to Regulation (EC) No 1907/2006

According to Regulation (EC) No 2020/878

PRODUCT	CAS NUMBER	FORMULA	VERSION	REVISION DATE
2-Phenoxyethanol	122-99-6	C8H10O2	10	20 Aug 2026

SECTION 1

Identification

Product name	2-Phenoxyethanol
CAS number	122-99-6
Chemical formula	C8H10O2
Molecular weight	138.16
SMILES	<chem>C1=CC=C(C=C1)OCCO</chem>
EC / EINECS number	204-589-7
Recommended use & restrictions	For research use, laboratory use, manufacture of chemicals. Not for human or veterinary use
Emergency telephone	0344 892 0111 — National Poisons Information Service (NPIS) (United Kingdom — for healthcare professionals (via TOXBASE))

SECTION 2

Hazard identification

**DANGER**

CODE	HAZARD STATEMENT
H302	Harmful if swallowed
H318	Causes serious eye damage
H335	May cause respiratory irritation
CODE	PRECAUTIONARY STATEMENT
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing
Other hazards (e.g. PBT / vPvB, not classified)	Does not meet PBT or vPvB criteria under REACH Annex XIII. Under discussion by ECHA as an endocrine disruptor

SECTION 3

Composition / information on ingredients

Purity / concentration	c. 100% 2-Phenoxyethanol (CAS: 122-99-6)- H301, H318, H335
Impurities / stabilising additives	None

SECTION 4

First-aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. In case of persistent throat irritation or coughing: seek medical attention.
Skin contact	Rinse skin with water. If skin irritation or rash occurs: get medical advice/attention.
Eye contact	Remove contact lenses if present. Rinse eyes with water. Continue to rinse for at least 15 minutes and seek medical attention
Ingestion	Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.
Symptoms / effects & medical attention	See Section 11.

SECTION 5

Fire-fighting measures

Suitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Unsuitable extinguishing media	None known
Special hazards	Carbon oxides Combustible. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.
Advice for firefighters	In the event of fire, wear self-contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6

Accidental release measures

Personal precautions & PPE	Avoid breathing dust/fume/gas/mist/vapours/spray. Provide adequate ventilation. For personal protection, see section 8.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
Containment & clean-up methods	Absorb spillage with a suitable absorbent material.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature Ambient

Precautions for safe handling

Wear protective clothing, gloves, eye and face protection. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Observe good chemical hygiene practices. Keep away from food, drink and animal feeding stuffs.

Wash contaminated skin thoroughly after handling. Do not eat, drink or smoke when using this product. Remove contaminated clothing and launder thoroughly before re-use.

Conditions for safe storage (incompatibilities) Store under inert gas.

SECTION 8

Exposure controls / personal protection

Occupational exposure limits (OEL / WEL) *Not applicable*

DNEC/PNEC data

DNEC

Chronic effects systemic (Dermal): 20.83 mg/kg bw/day

Chronic effects local (Inhalation): 5.7 mg/m³

Chronic effects systemic (Inhalation): 5.7 mg/m³

Eye / face protection

Face shield

Wear eye/face protection as recommended. All eye/face protection should comply with EN ISO 16321-1:2022.

Skin / hand protection

Gloves: Chloroprene, 0.65mm (480 mins).

Respiratory protection

Not required

Keep self-contained breathing apparatus readily available for emergency use. Provide adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided. Respiratory equipment: Reusable Air-Purifying Respirator (APR). Filter type: ABEK. Standard: EN 14387.

SECTION 9

Physical & chemical properties

Density (g/mL)	1.11 g/mL DERIVED FROM: LITERATURE
Flash point	126 °C DERIVED FROM: LITERATURE
Acidity	Neutral DERIVED FROM: LITERATURE
Appearance / physical state	Liquid DERIVED FROM: LITERATURE
Colour	Colourless DERIVED FROM: LITERATURE
Odour	Aromatic DERIVED FROM: LITERATURE
Melting / freezing point	9.1 - 13.0°C DERIVED FROM: LITERATURE
Boiling point	237 - 246°C DERIVED FROM: LITERATURE
Solubility (water)	28.6 g/l at 20.7 °C DERIVED FROM: LITERATURE
pH	7-9 DERIVED FROM: LITERATURE
Vapour pressure	0.02 hPa at 25 °C DERIVED FROM: LITERATURE
Partition coefficient (log Pow)	1.107 DERIVED FROM: LITERATURE
Auto-ignition / decomposition temp	475°C DERIVED FROM: LITERATURE

SECTION 10

Stability & reactivity

Chemical stability / reactivity	Stable under the prescribed storage conditions
Conditions to avoid	Excessive heat.
Incompatible materials	Strong oxidising agents
Hazardous decomposition products	See section 5

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50)	Information on hazard classes as defined in Regulation (EC) No 1272/2008 LD50 (oral) - rat - 1260 mg/kg Ref: Journal of Industrial Hygiene and Toxicology., 23(259), 1941
Skin corrosion / irritation	Not classified
Eye corrosion / irritation	Causes serious eye damage
Respiratory / skin sensitisation	Not classified
Carcinogenicity	Not classified
Mutagenicity	Not classified
Reproductive toxicity	Not classified
STOT (single / repeated exposure)	Single exposure: May cause respiratory irritation
Aspiration hazard	Not classified
Endocrine disruptors	Under discussion by ECHA as an endocrine disruptor

SECTION 12

Ecological information

Aquatic toxicity	Information on hazard classes as defined in Regulation (EC) No 1272/2008 static test LC50 - Leuciscus idus (Golden orfe) - > 220 - < 460 mg/l - 96 h static test EC50 - Daphnia magna (Water flea) - > 500 mg/l - 48 h static test ErC50 - Desmodesmus subspicatus (green algae) - 625 mg/l - 72 h static test EC50 - activated sludge - > 1,000 mg/l - 30 min flow-through test NOEC - Pimephales promelas (fathead minnow) - 24 mg/l - 34 d semi-static test NOEC - Daphnia magna (Water flea) - 9.43 mg/l - 21 d Ref: External SDS
Persistence & degradability	aerobic - Exposure time 3 d Result: 98 % - Readily biodegradable.
Bioaccumulative potential	<i>Not applicable</i>
Mobility in soil	<i>Not applicable</i>
PBT / vPvB assessment	<i>Not applicable</i>

SECTION 13

Disposal considerations

Waste treatment / disposal methods	Dispose of in accordance with local/national regulations
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SECTION 14

Transport information

UN number	Not applicable
Proper shipping name	Not applicable
Class	Not applicable
Packing group	Not applicable
Transport category	Not applicable
Tunnel code	Not applicable
Packing instruction (ADR)	Not applicable
Packing instruction (IMDG)	Not applicable
Environmental hazards	Not applicable
Special precautions for user	Not applicable

SECTION 15

Regulatory information

REACH code	Y110
UFI code	Not applicable
ECHA notification	Not applicable
Chemical safety assessment carried out?	Not applicable

SECTION 16

Other information

Revision notes / other information	Replaces previous SDS (ver. 2) published on 22/12/2022. According to REACH etc. (Amendment etc.) (EU Exit) Regulations 202 No. 1577. Harmonised Entry. Index number: ATP17 603-098-00-9 Hazard classification and labelling according to Regulation (EC) 1272/2008 All eye/face protection should comply with EN ISO 16321-1:2022 Respiratory equipment: Reusable air-purifying respirator (APR) Filter Type: ABEK Standard: EN 14387 National Regulations: -Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances - Other regulations, limitations and legal regulations: -Directive 94/33/EC- The protection of young people at work
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