

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

81132-PHENOXI-2 ETHANOL



Version 1 Date of compilation: 28/10/2015

Version 6 (replaces version 5)

Revision date: 19/05/2025

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: PHENOXI-2 ETHANOL
Product Code: 81132
Chemical Name: 2-phenoxyethanol
Index No: 603-098-00-9
CAS No: 122-99-6
EC No: 204-589-7
Registration No: 01-2119488943-21-XXXX

1.2 Relevant identified uses of the substance or mixture and uses advised against.

cosmetic use

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **GUINAMA S.L**
Address: C/ Oslo Nº3
City: 46185 - La Pobla de Vallbona
Province: Valencia
Telephone: +34961869090 / 902119816
Fax: +34961850352
E-mail: ventas@guinama.com
Web: www.guinama.com

1.4 Emergency telephone number: +34961869090 / 902119816 (Only available during office hours; Monday-Friday; 08:00-18:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

Acute Tox. 4 : Harmful if swallowed.
Eye Dam. 1 : Causes serious eye damage.
STOT SE 3 : May cause respiratory irritation.

2.2 Label elements.

Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:



Signal Word:

Danger

Hazard statements:

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash ... thoroughly after handling.

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P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/...
P312 Call a POISON CENTER/doctor/... if you feel unwell.
P330 Rinse mouth.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to ...

2.3 Other hazards.

The substance is not PBT

The substance is not vPvB

Substance does not have endocrine disrupting properties.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
Index No: 603-098-00-9 CAS No: 122-99-6 EC No: 204-589-7	2-phenoxyethanol	24 - 100 %	Acute Tox. 4, H302 - Eye Dam. 1, H318 - STOT SE 3, H335	Oral: ETA = 1394 mg/kg pc (ATP 17)

3.2 Mixtures.

Not applicable.

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact.

Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed.

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Corrosive Product, contact with eyes or skin can cause burns; ingestion or inhalation can cause internal damage, if this occurs immediate medical assistance is required.

Repeated or prolonged eye contact may cause stinging, tearing, redness, swelling, and blurred vision.

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

Contact with eyes may cause irreversible damage.

4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Do not induce vomiting. If the person vomits, clear the respiratory tract.

SECTION 5: FIREFIGHTING MEASURES.

The product does not present any particular risk in case of fire.

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

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7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 15 and 25 °C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
2-phenoxyethanol CAS No: 122-99-6 EC No: 204-589-7	DNEL (Workers)	Inhalation, Chronic, Local effects	8,07 (mg/m ³)
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	8,07 (mg/m ³)
	DNEL (Workers)	Inhalation, Chronic, Local effects	5,07 (mg/m ³)
	DNEL (Consumers)	Inhalation, Chronic, Local effects	2,41 (mg/m ³)
	DNEL (Workers)	Inhalation, Chronic, Systemic effects	5,07 (mg/m ³)
	DNEL (Consumers)	Inhalation, Chronic, Systemic effects	2,41 (mg/m ³)
	DNEL (Workers)	Dermal, Chronic, Systemic effects	20,83 (mg/kg bw/day)
	DNEL (Consumers)	Dermal, Chronic, Systemic effects	10,42 (mg/kg bw/day)
	DNEL (Consumers)	Oral, Chronic, Systemic effects	9,23 (mg/kg bw/day)
	DNEL (Consumers)	Oral, Short term, Systemic effects	9,23 (mg/kg bw/day)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
2-phenoxyethanol CAS No: 122-99-6 EC No: 204-589-7	aqua (freshwater)	0,943 (mg/L)
	freshwater (intermittent releases)	3,44 (mg/L)
	aqua (marine water)	0,094 (mg/L)
	STP	24,8 (mg/L)
	sediment (freshwater)	7,237 (mg/kg sediment dw)
	sediment (marine water)	0,724 (mg/kg sediment dw)
	soil	1,26 (mg/kg soil dw)

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PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %		
Uses:	cosmetic use		
Breathing protection:			
PPE:	Filter mask for protection against gases and particles.		
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.		
CEN standards:	EN 136, EN 140, EN 405		
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor. Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.		
Observations:			
Filter Type needed:	A2		
Hand protection:			
PPE:	Protective gloves against chemicals.		
Characteristics:	«CE» marking, category III.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.		
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
Eye protection:			
PPE:	Protective goggles with built-in frame.		
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.		
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.		
Skin protection:			
PPE:	Protective clothing.		
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.		
CEN standards:	EN 340		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.		
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.		
PPE:	Work footwear.		
Characteristics:	«CE» marking, category II.		
CEN standards:	EN ISO 13287, EN 20347		
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.		
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

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Physical state: Liquid
Colour: Colourless, clear
Odour: Slightly, characteristic
Odour threshold: Not applicable/Not available due to the nature/properties of the product
Melting point: 10 - 14 °C
Freezing point: Not applicable/Not available due to the nature/properties of the product
Boiling point or initial boiling point and boiling range: 247 °C
Flammability: Not applicable/Not available due to the nature/properties of the product
Lower explosion limit: 1,4 Vol. %
Upper explosion limit: 9 Vol. %
Flash point: 113 °C
Auto-ignition temperature: 535 °C
Decomposition temperature: Not applicable/Not available due to the nature/properties of the product
pH: 5,5 - 7 (23°C) (1%)
Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product
Solubility: Water solubility at 20°C: 24 g/L
Hydrosolubility: Not applicable/Not available due to the nature/properties of the product
Liposolubility: Not applicable/Not available due to the nature/properties of the product
Partition coefficient n-octanol/water (log value): 1,16 log Pow
Vapour pressure: 0,03 (20°C), 0,15 (50°C)
Absolute density: Not applicable/Not available due to the nature/properties of the product
Relative density: 1,105 - 1,110
Relative vapour density: Not applicable/Not available due to the nature/properties of the product
Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 Other information

Information with regard to physical hazard classes

Explosives:

Explosive properties: Product does not present an explosion hazard.

Other safety characteristics

Viscosity: Dynamic 30 mPa's (20°C)

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT MIXTURE. The inhalation of spray mist or suspended particulates can irritate the respiratory tract. It can also cause serious respiratory difficulties, central nervous system disorders, and in extreme cases, unconsciousness.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

Splashes in the eyes can cause serious and irreversible damage.

Toxicological information.

Name	Acute toxicity			
	Type	Test	Kind	Value

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2-phenoxyethanol	Oral		Rat	
			Rat	
		LD50	Rat	1400 mg/kg bw [1]
		LD50	Rat	1440 mg/kg bw [2]
		LD50	Rat	3100 mg/kg bw [3]
		LD50	Rat	2000 mg/kg bw [4]
		LD50	Rat	2580 mg/kg bw [5]
		LD50	Rat	2580 mg/kg bw [6]
		LD50	Rat	2000 mg/kg bw [7]
		LD50	Rat	7500 mg/kg bw [8]
		LD50	Rat	2728 mg/kg bw [9]
		LD50	Rat	2563 mg/kg bw [10]
		LD50	Rat	1260 mg/kg bw [11]
		LD50	Rat	1345 mg/kg bw [12]
		LD50	Rat	1.3 mL/kg bw [13]
		LD50	Rat	5550 mg/kg bw [14]
		LD50	Rat	2740 mg/kg bw [15]
		LD50	Rat	3400 mg/kg bw [16]
		LD50	Chronic	1400 mg/kg bw [17]
		DL50	animal/mac	1840-4070 mg/kg (-) [18]
		NOAEL	ho, 2años	468 mg/kg bw [19]
		NOAEL	crónico,	468 mg/kg bw (-) [20]
		NOAEL	oral,	>700 mg/kg bw (90 días) [21]
		NOAEL	animal/hem	369 mg/kg bw/day (90 días) [22]
			bra, 2 años	
			Rat	
			Rat	

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		<p>[1] TSCAT, OTS0531423, Doc I.D. 40-8279010, 01.04.1982, Emery Industries Inc.</p> <p>[2] Davies RE. 1970. Acute oral toxicity of phenoxetol to rats. From COLIPA, 1980, Summaries of submissions I and II on phenoxyethanol. COLIPA report No. 5/70/D59. As described in Final report on the safety assessment of phenoxyethanol. J Am Coll Toxicol 9(2):259-277, 1990.</p> <p>[3] TSCAT, OTS206553, Doc I.D. 878213853, 13.06.1955, Union Carbide Corp.</p> <p>[4] TSCAT, OTS206553, Doc I.D. 878213853, 13.06.1955, Union Carbide Corp.</p> <p>[5] TSCAT, OTS206553, Doc I.D. 878213852, 29.09.1949, Union Carbide Corp.</p> <p>[6] TSCAT, OTS0531415, Doc I.D. 40-8279001, 26.07.1982, American Cyanamid Co.</p> <p>[7] Moreno, O.M.: Report to RIFM, 03.10.1978. Zitiert in: TSCAT, OTS0531428, Doc I.D. 40-8379015, 09.08.1983, Res. Inst. Fragrance Materials</p> <p>[8] TSCAT, OTS215501, Doc I.D. 878221419, 24.05.1972, E.I. Dupont Denemours & Co. Inc.</p> <p>[9] TSCAT, OTS206553, Doc I.D. 878213854, 18.03.1968, Union Carbide Corp.</p> <p>[10] TSCAT, OST0531415, Doc I.D. 40-82279001, 26.07.1982, Americam Cyanamid Co.</p> <p>[11] Smyth HF Jr, Seaton J, Fischer L. 1941. The single dose toxicity of some glycols and derivatives. J Ind Hyg Toxicol 23(6): 259-268.</p> <p>[12] TSCAT, OTS206553, Doc I.D. 878213856, 13.06.1983, Union Carbide Corp.</p> <p>[13] NIPA Laboratories, Inc. 1983. Toxicology data for PHENXETOL (2-phenoxyethanol BP 99%).</p> <p>[14] BASF AG, Abteilung Toxikologie [Toxicology Division], unveroeffentlichte Untersuchung [unpublished study] (XIII/386), 23.12.1963</p> <p>[15] BASF AG, Abteilung Toxikologie [Toxicology Division], unveroeffentlichte Untersuchung [unpublished study] (82/135), 29.12.1982</p> <p>[16] Grote, I.W. und Woods, M.: Am. Pharm. Ass. (Sci. Ed.) 44, 9 (1955). Zitiert in: BIBRA, Toxicity Profile 2-Phenoxyethanol, Januar1988</p> <p>[17] Health, Safety, and Human Factors Laboratory, unveroeffentlichte Untersuchung [unpublished study] HSHFL No. 80-0358 (1981). Zitiert in [cited in]: J. Am. Coll. Toxicol. 9 (2), 259-277 (1990)</p> <p>[18] ECHA OCDE 401</p> <p>[19] OCDE 451</p> <p>[20] OCDE 451</p> <p>[21] ECHA OECD 408</p> <p>[22] OECD 408</p>
Dermal		<p>LD50 Rat 13 mL/kg bw [1]</p> <p>DL50 Rat 14391 mg/kg (-) [2]</p> <p>DL50 Rabbit >2214 mg/kg (-) [3]</p> <p>LOAEL Rata/conejo >500 mg/kg bw (90 días) [4]</p> <p>NOAEL Rata/conejo 500 mg/kg bw (90 días) [5]</p> <p>[1] NIPA Laboratories, Inc. 1983. Toxicology data for PHENXETOL (2-phenoxyethanol BP 99%).</p> <p>[2] ECHA OCDE 402</p> <p>[3] ECHA</p> <p>[4] ECHA OECD 411</p> <p>[5] ECHA OECD 411</p>
Inhalation		

CAS No: 122-99-6

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a) acute toxicity;
Product classified:

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Acute toxicity (Oral), Category 4: Harmful if swallowed.

Acute Toxicity Estimate (ATE):

Substances:

ATE (Oral) = 505 mg/kg

b) skin corrosion/irritation;

Not conclusive data for classification.

c) serious eye damage/irritation;

Product classified:

Serious eye damage, Category 1: Causes serious eye damage.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Not conclusive data for classification.

h) STOT-single exposure;

Product classified:

Specific target organ toxicity following a single exposure, Category 3: May cause respiratory irritation.

i) STOT-repeated exposure;

Not conclusive data for classification.

j) aspiration hazard;

Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
2-phenoxyethanol	Fish	LC50	Pimephales	344 mg/L (96 h) [1]
		LC50	promelas	
		NOEC	Leuciscus idus	220 mg/L (96 h h) [2]
			Pimephales	24 mg/l (34 días) [3]
			promelas	

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CAS No: 122-99-6 EC No: 204-589-7		<p>[1] Veith, G.D. et al.: ASTM Spec. Tech. Publ., Iss. Aquat. Toxicol. Hazard Assess., Vol. 802, 90-97 (1973), as described in Brooke et al., 1980. Acute toxicities of organic chemicals to fathead minnows (Pimephales promelas). Volume I. Center for Lake Superior Environmental Studies, University of Wisconsin-Superior</p> <p>[2] BASF AG, Abteilung Toxikologie [Toxicology Division], unveroeffentlichte Untersuchung [unpublished study] (87/407), 22.01.1988</p> <p>[3] OCDE 210</p>																					
	Aquatic invertebrates	<table><tr><td>EC100</td><td>Daphnia magna</td><td>500 mg/L (48 h) [1]</td></tr><tr><td>LC50</td><td>Daphnia magna</td><td>488 mg/L (48 h) [2]</td></tr><tr><td>EC10</td><td>Daphnia magna</td><td>320 mg/L (48 h) [3]</td></tr><tr><td>LC50</td><td>Aquatic crustacean</td><td>357 mg/L (96 h) [4]</td></tr><tr><td>LC50</td><td>Daphnia</td><td>723 mg/L (48 h) [5]</td></tr><tr><td>CE50</td><td>Daphnia magna</td><td>>500 mg/l (-) [6]</td></tr><tr><td>NOEC</td><td>Daphnia magna</td><td>9.43 mg/l (21 dia) [7]</td></tr></table> <p>[1] BASF AG, Labor Oekologie [Ecology Laboratory]. Bestimmung der acute wirkung von monophenylglykol gegenüber dem wasserfloh Daphnia magna Straus [Determination of the acute effect of monophenylglykol with respect to the water flea Daphnia magna Straus]. Unpublished study 1/1682/2/88-1682/88.</p> <p>[2] Waggy GT. 1987. Glycol ethers: Summary of available ecological fate and effects data. Union Carbide Corporation File No. 35931.</p> <p>[3] Batchelder TL. 1976. Analysis of Dowanol EPH in the aquatic environment. Dow Chemical Research Report ES-80, dated April 30, 1976.</p> <p>[4] Adema D.M.M.: Tests and desk studies carried out by MT-TNO during 1980-1981 for Annex II of Marpol 1973. Report No. CL 82/14, Order No. 91670, date: 23.02.1982</p> <p>[5] EPA EPIWIN program (v3.10), ECOSAR Model (v.0.99g). Model ran 1/20/2004.</p> <p>[6] ECHA OCDE 201</p> <p>[7] OCDE 211</p>	EC100	Daphnia magna	500 mg/L (48 h) [1]	LC50	Daphnia magna	488 mg/L (48 h) [2]	EC10	Daphnia magna	320 mg/L (48 h) [3]	LC50	Aquatic crustacean	357 mg/L (96 h) [4]	LC50	Daphnia	723 mg/L (48 h) [5]	CE50	Daphnia magna	>500 mg/l (-) [6]	NOEC	Daphnia magna	9.43 mg/l (21 dia) [7]
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Aquatic plants	<table><tr><td>EC90</td><td>Scenedesmus subspicatus (Desmodesmus subspicatus)</td><td>500 mg/L (72 h) [1]</td></tr><tr><td>EC50</td><td>Green alga</td><td>429 mg/L (96 h) [2]</td></tr><tr><td>EC50</td><td>Desmodesmus subspicatus</td><td>> 500 mg/L (72 h) [3]</td></tr><tr><td>EC50</td><td>Green algae</td><td>429 mg/L (96 h) [4]</td></tr><tr><td>CE50</td><td>Desmodesmus subspicatus</td><td>625 mg/l (72 h) [5]</td></tr><tr><td>CEr50</td><td>Desmodesmus subspicatus</td><td>625 mg/l (72 h) [6]</td></tr><tr><td>NOEC</td><td>Desmodesmus subspicatus</td><td>>500 mg/l (72h) [7]</td></tr></table> <p>[1] BASF AG, Labor Oekologie [Ecology Laboratory]. Algentest for monophenylglykol. Unpublished study 2/1682/88, dated 25.09.1989.</p> <p>[2] EPA EPIWIN program (v3.10), ECOSAR Model (v.0.99g). Model ran 1/20/2004.</p> <p>[3] Study report according to DIN 38412 Part 9</p> <p>[4] EPA EPIWIN program (v3.10), ECOSAR Model (v.0.99g). Model ran 1/20/2004.</p> <p>[5] ECHA OCDE 201</p> <p>[6] ECHA Directive 67/548/CEE, Annexe V, C.3.</p> <p>[7] static test</p>	EC90	Scenedesmus subspicatus (Desmodesmus subspicatus)	500 mg/L (72 h) [1]	EC50	Green alga	429 mg/L (96 h) [2]	EC50	Desmodesmus subspicatus	> 500 mg/L (72 h) [3]	EC50	Green algae	429 mg/L (96 h) [4]	CE50	Desmodesmus subspicatus	625 mg/l (72 h) [5]	CEr50	Desmodesmus subspicatus	625 mg/l (72 h) [6]	NOEC	Desmodesmus subspicatus	>500 mg/l (72h) [7]	
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SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

81132-PHENOXI-2 ETHANOL

Version 1 Date of compilation: 28/10/2015

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12.2 Persistence and degradability.

No information is available regarding the biodegradability

No information is available on the degradability

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
2-phenoxyethanol CAS No: 122-99-6 EC No: 204-589-7	116	-	-	Very high

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 Other adverse effects.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number or ID number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

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14.5 Environmental hazards.

Transportation is not dangerous.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Maritime transport in bulk according to IMO instruments.

Not classified as hazardous for transport.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Classification codes:

Acute Tox. 4 : Acute toxicity (Oral), Category 4

Eye Dam. 1 : Serious eye damage, Category 1

STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

Changes regarding to the previous version:

- Changes in the information of the supplier (SECTION 1.3).
- Changes in the composition of the product (SECTION 3.2).
- Modification of the symptoms (SECTION 4.2).
- Elimination of exposure data (SECTION 8.1).
- Modification in the values of the physical and chemical properties (SECTION 9).
- Elimination of toxicity values (SECTION 11.1).
- Change in the hazard classification (SECTION 11.1).
- Elimination of ecological information values (SECTION 12.3).
- Modification of ecological information values (SECTION 12.3).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No	Name	State
122-99-6	2-phenoxyethanol	Registered

Risk classification system NFPA 704:

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SAFETY DATA SHEET

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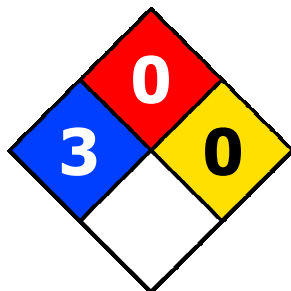
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Health hazard: 3 (Extreme Danger)

Flammability: 0 (Will not burn)

Reactivity: 0 (Stable)

Abbreviations and acronyms used:

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

EC50: Half maximal effective concentration.

PPE: Personal protection equipment.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

NOEC: No observed effect concentration.

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.