

Demo pack Formalin System

Art. no. 00.45.539

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

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

Use of the substance/mixture

For demonstration purposes, only.

The Demo pack includes a bag containing 450 ml demonstration solution.

Uses advised against

Not suited for tissue fixation.

1.3. Details of the supplier of the safety data sheet

Company name:	SARSTEDT AG & Co.	
Street:	Sarstedtstraße 1	
Place:	D-51588 Nümbrecht	
Post-office box:	1220	
	D-51582 Nümbrecht	
Telephone:	+49 (0)2293 / 305 - 0	Telefax: +49 (0)2293 / 305 - 2470
e-mail:	info@sarstedt.com	
Contact person:	Dr. Dagmar Flach	Telephone: +49 (0)2293 / 305 - 4500
	Jochen Hoffmann	
e-mail:	sicherheitsdatenblatt@sarstedt.com	
Internet:	www.sarstedt.com	
Responsible Department:	R & D Center	

1.4. Emergency telephone number: Poison Center in Bonn (Germany): +49 (0)228 / 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This mixture is not classified as hazardous according to Directive 1999/45/EC.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

Additional advice on labelling

none

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
204-589-7	2-phenoxyethanol	1 - < 5 %
122-99-6	Xn - Harmful, Xi - Irritant R22-36	
603-098-00-9	Acute Tox. 4, Eye Irrit. 2; H302 H319	

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

The usual precautions are to be adhered to when handling chemicals.

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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: blue
Odour: characteristic

Test method

pH-Value: not determined

Changes in the physical state

Initial boiling point and boiling range: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no data available on the mixture itself.

10.2. Chemical stability

There are no data available on the mixture itself.

10.3. Possibility of hazardous reactions

There are no data available on the mixture itself.

10.4. Conditions to avoid

There are no data available on the mixture itself.

10.5. Incompatible materials

There are no data available on the mixture itself.

10.6. Hazardous decomposition products

There are no data available on the mixture itself.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

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Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
122-99-6	2-phenoxyethanol				
	oral	LD50	1850 mg/kg	Rat	
	dermal	LD50	>2000 mg/kg	Rabbit	

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
122-99-6	2-phenoxyethanol					
	Acute fish toxicity	LC50	220 - 460 mg/l	96 h	Leuciscus idus	
	Acute algae toxicity	ErC50	> 500 mg/l	72 h	Scenedesmus sp.	
	Acute crustacea toxicity	EC50	> 500 mg/l	48 h	Daphnia magna	

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
122-99-6	2-phenoxyethanol	1,16

Further information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Disposal is effected according to the instructions of the department in charge of disposal.

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Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

Inland waterways transport (ADN)

14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

Marine transport (IMDG)

14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

Air transport (ICAO)

14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

The mixture is not intended for bulk haulage.

SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): 1 %

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

The telephone and fax numbers of the company have been updated.

Relevant R-phrases (Number and full text)

22 Harmful if swallowed.

36 Irritating to eyes.

Relevant H- and EUH-phrases (Number and full text)

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)