

1 Identification of the substance/preparation and the company/undertaking

Trade name 10% v/v Buffered Formalin
Article number MA 10% B FOR -

Manufacturer

Serosep Limited
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Limerick
Ireland
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2 Composition/information on ingredients

Chemical characterisation Mixture of substances listed below with harmless additions

Description

Dangerous Components

CAS 50-00-0 Formaldehyde Solution 37%

EINECS 200-001-8



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R23/24/25-34-40-43

3 Hazards identification

Hazard description



Xn

Harmful

Information concerning to particular hazards to man and environment

R40 Limited evidence of carcinogenic effect

R43 May cause sensitisation by skin contact

Classification system

The classification is according to the latest editions of the EU-lists, and extended by company and literature data

4 First aid measures

After inhalation Supply fresh air and call for doctor for safety reasons

After skin contact Instantly wash with water and soap and rinse thoroughly
If skin irritation continues, consult a doctor

After eye contact Rinse opened eye for several minutes under running water
If symptoms continue, consult a doctor

After swallowing Call for doctor immediately
Rinse out mouth

5 Fire fighting measures

Suitable extinguishing agents

Use fire fighting measures that suit the environment

Protective equipment

Put on breathing apparatus

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6 Accidental release measures

Person related safety precautions

Wear protective equipment. Keep unprotected persons away

Measures for environmental protection

Do not allow to enter sewers / surface or ground water

Measures for cleaning/collecting

Absorb with liquid binding material (sand, acid binders, universal binders, sawdust)

Dispose contaminated material as waste according to item 13

Ensure adequate ventilation

7 Handling and storage

Handling

PPE to be worn

see Section 8

Information for safe handling

Ensure good ventilation at workplace

Information about fire and explosion protection

No special measures required

Storage

Requirements to be met by storerooms and receptacles

None

Information about storage in one common storage facility

Not required

Further information about storage conditions

Keep tightly sealed

8 Exposure controls / personal protection

Additional information about design of technical facilities

No further data, see item 7.

Ingredients with limit values that require monitoring at the workplace

Formaldehyde Solution 37% (50-00-0)			
MEL	Short term value	2.5 mg/m ³ , 2 ppm	
	Long term value	2.5 mg/m ³ , 2 ppm	

The lists valid during the making were used as basis

Personal Protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed

Instantly remove any soiled and impregnated garments

Wash hands before breaks and at the end of work

Avoid contact with eyes and skin.

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of extensive or longer exposure use self contained respiratory protective device

Protection of hands

Protective Gloves

Eye protection

Tightly sealed safety glasses

Body Protection

Protective work clothing

Printing date 08/11/2006

Reviewed on 01.12.2004

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9 Physical and chemical properties

General Information

Form Fluid
Colour Colourless
Odour Like aldehyde

Change in condition

Melting point Not determined
Boiling point Not determined

Flash point not applicable

Self igniting Product is not self igniting

Danger of explosion Product does not present an explosion hazard

Explosion Limits	Lower	7.0 Vol %
	Upper	73.0 Vol %

Vapour Pressure at 20 degC 23 hPa

Density at 20degC Not determined

Solubility/miscibility with water Fully miscible

Solvent content

Organic solvent 0%

10 Stability and reactivity

Thermal decomposition / conditions to be avoided

No decomposition is used according to specifications

Dangerous reactions

No dangerous reactions known

Dangerous decomposition products

No dangerous decomposition products known

11 Toxicological Information

Acute toxicity

50-00-0 Formaldehyde Solution 37%

LD/LC50 values relevant for classification

Oral	LD50	>200 mg/kg (rat)
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Primary irritant effect

on skin	Light irritant
on eye	redness, pain

Sensitisation

Sensitisation possible by skin contact

Additional toxicological information

The product shows the following dangers according to the calculation method of the General Classification Guidelines for Preparations as issues in the latest version Irritant

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12 Ecological Information

General Notes

Water hazard class 1 (German Regulation) (Self assessment) :
slightly hazardous for water
Do not allow undiluted product to reach ground water, water course or sewage system

13 Disposal Considerations

Recommendations

Must not be disposed together with household garbage. Do not allow product to reach sewage system

Uncleaned packaging

Recommendation

Disposal must be made according to official regulations

Recommended cleansing agents

Water, if necessary together with cleansing agents.

14 Transport Information

Land transport ADR/RID (cross border)

ARD/RID class

Maritime transport IMDG

IMDG Class

Marine Pollutant No

Air transport ICAO and IATA-DGR

15 Regulatory Information

Labeling according to EU guidelines

Observe the general safety regulations when handling chemicals

The product has been classified and marked in accordance with EU Directives on hazardous materials
(GefStoffV)

Code letter and Hazard designation of product

Xn Harmful

Hazard determining components of labeling

Formaldehyde Solution 37%

Risk phrases

R40 Limited evidence of carcinogenic effect
R43 May cause sensitisation by skin contact

Safety phrases

S 36/37 Wear suitable protective clothing and gloves

National regulations

Class	Share in %
Water	88.2
I	11.2

Water hazard class Water hazard class 1 (self assessment) : Slightly hazardous for water

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R phrases

- 23/24/25 Toxic by inhalation, in contact with skin and if swallowed
- 34 Causes Burns
- 40 Limited evidence of a carcinogenic effect
- 43 May cause sensitisation by skin contact

Department issuing M.S.D.S
Contact

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