

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

**Trade name** 10% v/v Un Buffered Formal Saline  
**Article number** MA 10% U FOR SAL -

### Manufacturer

Serosep Limited  
Eastway Business Park  
Limerick  
Ireland  
Tel +353 61 440207  
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Emergency + 353 86 3861542

## 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 <sup>3</sup> , 2 ppm	
	Long term value	2.5 mg/m <sup>3</sup> , 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

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## 9 Physical and chemical properties

### General Information

<b>Form</b>	Fluid
<b>Colour</b>	Colourless
<b>Odour</b>	Like aldehyde
<b>Change in condition</b>	
<b>Melting point</b>	Not determined
<b>Boiling point</b>	Not determined
<b>Flash point</b>	not applicable
<b>Self igniting</b>	Product is not self igniting
<b>Danger of explosion</b>	Product does not present an explosion hazard
Explosion Limits	Lower 7.0 Vol % Upper 73.0 Vol %
<b>Vapour Pressure at 20 degC</b>	23 hPa
<b>Density at 20degC</b>	Not determined
<b>Solubility/miscibility with water</b>	Fully miscible
<b>Solvent content</b>	
<b>Organic solvent</b>	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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