


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

<b>Trade name</b>	Amm 2	<b>Supplier</b>	Labmedics Limited
<b>Article number</b>	Amm 2		Telegraphic House Waterfront Quay Salford Quays Manchester M50 3XW United Kingdom Tel : 0044 161 869 0420

**2 Composition/information on ingredients****Chemical characterisation :****CAS No. Description****Identification number(S)****EINECS Number****Chemical characterisation****Description**

Mixture of substances listed below with non-hazardous additions

**Dangerous Components**

<b>CAS</b>	1310-73-2	sodium hydroxide		c	R35	2.5-10%
<b>EINECS</b>	215-185-5					

<b>CAS</b>	2893-78-9	sodium salt of dichloroisocyanuric acid				< 2.5%		
<b>EINECS</b>	220-767-7			Xn		O		N

R 8 22-31-36/37-50/53

**3 Hazards identification****Hazard description**

C

Corrosive

**Information concerning to particular hazards to man and environment**

This product has been classified and labeled in accordance with EU Directive 99/45/EC and all other EU Directives referred to therein.

R34 Causes burns

**Classification system**

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



**Material Safety Data Sheet  
According to 91/155 EC**

version number 9

Reviewed on 31.10.03

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Printing date 04/11/04

**Trade Name** Amm 2

#### 4 First aid measures

##### General information

Immediately remove any clothing soiled by the product

##### After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact** Immediately wash with water and soap and rinse thoroughly

**After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor

**After swallowing** Drink plenty of water and provide fresh air. Call for a doctor immediately

#### 5 Fire fighting measures

##### Suitable extinguishing agents

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

##### Protective equipment

No special measures required

#### 6 Accidental release measures

##### Person related safety precautions

Wear protective equipment. Keep unprotected persons away

##### Measures for environmental protection

Dilute with plenty of water

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 of 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**

Keep receptacles tightly sealed

**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

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## 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

Does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

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  
Wash hands before breaks and at the end of work  
Avoid contact with eyes and skin.

#### Respiratory protection

Not required

#### Protection of hands Protective Gloves

The glove material has to be impermeable and resistant to the product.  
Due to missing tests no recommendations to the glove material can be given for the product

Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and therefore has to be checked prior to the application.

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

#### Eye protection

Tightly sealed goggles

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## 9 Physical and chemical properties

### General Information

<b>Form</b>	Fluid
<b>Colour</b>	According to specification
<b>Odour</b>	Characteristic

### Change in condition

<b>Melting point</b>	0 degC
<b>Boiling point</b>	100 degC

<b>Flash point</b>	not applicable
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<b>Self igniting</b>	Product is not self igniting
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<b>Danger of explosion</b>	Product does not present an explosion hazard
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<b>Vapour Pressure at 20 degC</b>	not determined
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<b>Density at 20degC</b>	1.0 g/cm <sup>3</sup>
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<b>Solubility/miscibility with water</b>	Fully miscible
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<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

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## 11 Toxicological Information

### Acute toxicity

LD/LC50 values relevant for classification

<b>Sodium hydroxide</b>	1310-73-2
Oral LD50	2000mg/Kg (rat)

### Primary irritant effect

on skin	Caustic effect on skin and mucous membranes
on eye	Strong caustic effect

**Sensitisation** No sensitising effects known

### 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

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach

## 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  
Must not reach sewage water or drainage ditch undiluted or unneutralised.

## 13 Disposal Considerations

Product

### 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.

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## 14 Transport Information

### Land transport ADR/RID (cross border)



ADR/RID class

### Maritime transport IMDG



IMDG Class

Marine Pollutant No

### Air transport ICAO and IATA-DGR



ICAO/IATA Class

## 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 Directive 99/45/EC and all other EU Directives referred to therein.

### **Code letter and Hazard designation of product**



C

Corrosive

### **Hazard determining components of labeling**

sodium hydroxide

### **Risk phrases**

34 Causes burns

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### Safety phrases

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise
- 20 When using do not eat or drink
- 36/37/39 Wear suitable protective clothing, gloves, and face/eye protection
- 45 In case of accident or if feel unwell, seek medical advice immediately (show label)
- 60 This material and its container must be disposed of as hazardous waste

### National regulations

### 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

- 35 Causes severe burns
- 22 Harmful if swallowed
- 31 Contact with acids liberates toxic gas
- 36/37 Irritating to eyes and respiratory system
- 50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
- 8 Contact with combustible material may cause fire.

Department issuing M.S.D.S  
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