

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

Trade name	Chloride	Supplier	Labmedics Limited
Article number	Chloride		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 nonhazardous additions

Dangerous Components

CAS	67-56-1	methanol		F		R23/24/25-39/23/24/25 T R11
EINECS	200-659-6	10-25%				
CAS	7782-61-8	iron (iii) nitrate		Xn		R8-20/22-36/37/38 O
EINECS		2 - 10%				
CAS	592-85-8	mercury dithiocyanate		T+		R26/27/28-33-50/53 N
EINECS	209-773-0	< 2.5%				

3 Hazards identification

Hazard description



T

Toxic

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.

R20/21/22

Harmful by inhalation, in contact with skin and if swallowed

R33

Danger of cumulative effects

R39/23/24/25

Toxic; danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed

Classification system

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

Printing date 04/11/04

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4 First aid measures

General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident

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 Generally the product does not irritate the skin

After eye contact Rinse opened eye for several minutes under running water

After swallowing Call for doctor immediately

5 Fire fighting measures

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

Protective equipment

Mount respiratory protective device

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 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

Keep ignition sources away. Do not smoke.

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

Methanol

PEL (USA)	260 mg/m ³ , 200 ml/m ³	
REL (USA)	Short term value	325 mg/m ³ , 250 ml/m ³
	Long term value	260 mg/m ³ , 200 ml/m ³
TLV (USA)	Skin	
	Short term value	328 mg/m ³ , 250 ml/m ³
	Long term value	262 mg/m ³ , 200 ml/m ³
	Skin; BEI	

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

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

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 preparation.

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

Goggles recommended during filling

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9 Physical and chemical properties

General Information

Form	Fluid
Colour	According to specification
Odour	Characteristic

Change in condition

Melting point	0 degC
Boiling point	100 degC

Flash point	not applicable
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Self igniting	Product is not self igniting
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Danger of explosion	Product does not present an explosion hazard
Explosion Limits	Lower 5.5Vol %
	Upper 44.0 Vol %

Vapour Pressure at 20 degC	128.0 hPa
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Density at 20degC	0.98 g/cm ³
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Solubility/miscibility with water	Fully miscible
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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

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11 Toxicological Information

Acute toxicity

Methanol 67-56-1

LD/LC50 values relevant for classification

Oral	LD50	13000mg/kg (rat)
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Primary irritant effect

on skin No irritant effect

on eye No irritant 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

Harmful

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

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

T Toxic

Hazard determining components of labeling

Methanol

mercury dithiocyanate

Risk phrases

20/21/22 Harmful by inhalation, in contact with skin and if swallowed

33 Danger of cumulative effects

39/23/24/25 Toxic; danger of very serious irreversible effects through inhalation
in contact with skin and if swallowed

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Trade Name Chloride**Safety phrases**

- 719 Keep container tightly closed and in a well ventilated place
- 16 Keep away from sources of ignition
- 20 When using do not eat or drink
- 36/37/39 Wear suitable protective clothing, gloves and eye/face 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

Class	Share in %
Water	81.2
III	15

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

- 11 Highly flammable
- 20/22 Harmful by inhalation and if swallowed
- 23/24/25 Toxic by inhalation, in contact with skin and if swallowed
- 26/27/28 Very toxic by inhalation, in contact with skin and if swallowed
- 33 Danger of cumulative effects
- 36/37/38 Irritating to eyes, respiratory system and skin
- 9/23/24/25 Toxic, danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
- 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.

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