

EMERGENCY NUMBER
01865 407333

MATERIAL SAFETY DATA SHEET

Product Name: Lo-Chlor Instant Filter Cleaner

Revision Date: 25th August 2011

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Lo-Chlor Instant Filter Cleaner - For cleaning and degreasing filters in Hot Tubs

Details of the supplier of the safety data sheets

Company : SIS Chemicals Ltd , 22 Whitefield Road, New Milton
Hampshire. BH25 6DF
Telephone : 01425 621021
Fax : 01425 618191
Email : sales@sischem.co.uk

Emergency telephone number

Emergency telephone : Emergency only telephone number (open 24 hours):
Number 01865 407333 (N.C.E.C. Culham)

2. HAZARDS IDENTIFICATION

Hazard description:



Xi irritant

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R38 Irritating to skin

R41 Risk of serious damage to eyes

Classification system:

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Description : Mixture of substances listed below with non hazardous additions

Dangerous components :				
CAS: 111-76-2 EINECS:203-905-0	2-Butoxyethanol		Xn, 	2.5-10%
CAS: 142-78-9	Cocomonoethanolamide		Xi, R41	2.5-10%
	Alcohol ethoxylate		Xi, R41	2.5-10%
CAS: 7320-34-5 EINECS : 7320-34-5	Tetrapotassium pyrophosphate		Xi; R36	≤ 2.5%
CAS: 1310-58-3 EINECS: 215-181-3	Potassium hydroxide		C 	≤ 2.5%
			Xn; R22-35	

Additional information: For the wording of the listed risk phrases refer to Section 16.

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4. FIRST AID MEASURES

After inhalation:

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

After skin contact:

Immediately wash with water and soap and rinse thoroughly

If skin irritation continues, consult a doctor

After eye contact:

Check for and remove any contact lenses

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth and drink plenty of water

Call for a doctor immediately.

Information for doctor:

Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions

Protective equipment:

Wear fully protective suit.

Wear self-contained respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions :

Wear protective equipment. Keep unprotected persons away

Measures for environmental protection:

Do not allow to penetrate the ground /soil

Dilute with plenty of water

Measures for cleaning/ collecting:

Absorb with liquid-binding material (sand, diatomite, acid binder, universal binders and sawdust)

Send for recovery or disposal in suitable receptacles

7. HANDLING AND STORAGE

Handling:

Information for safe handling:

Prevent formation of aerosols

Ensure good ventilation / exhaustion at the workplace.

Information about fire – and explosion protection: No special measures required

Storage:

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground

Information about storage in one common storage facility: Store away from oxidising agents

Further information about storage conditions: store in cool, dry conditions in well sealed receptacles

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:

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111-76-2 2-Butoxyethanol

WEL Short-term value: 50 ppm
Long-term value: 25 ppm
Sk

1310-58-3 Potassium hydroxide

WEL Short-term value: 2 mg/m³

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

Select PPE appropriate for the operations taking place taking into account the product properties.

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work
Avoid contact with the eyes and skin.

Respiratory protection: Not required

Protection of hands :



Protective gloves

The glove material has to be impermeable and resistant to the product / the substance / the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

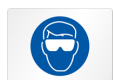
Material of gloves

The selection of the 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 has therefore 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 glove and has to be observed.

Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information	
Form:	Fluid
Colour:	Transparent
Odour:	Mild
Change in condition	
Melting point / Melting range:	Undetermined
Boiling point / Boiling range :	100°C

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Flash point :	Not applicable
Ignition temperature:	> 250°C
Self-igniting:	Product is not self-igniting
Danger of explosion:	Product does not present an explosion hazard
Vapour pressure at 20°C:	23.0 hPa
Density:	1.0
Solubility in / Miscibility with water:	Fully miscible
pH-Value at 20°C	8.5-9.5

10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications

Dangerous reactions: No Dangerous reaction known

Dangerous decomposition products:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO_x)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD/LC50 values relevant for classification:

1310-58-3 Potassium hydroxide

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes

on the eyes: strong irritant with the danger of severe eye injury

Sensitization : No sensitization effects known

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guideline for Preparations as issued in the latest version:

Irritant

12. ECOLOGICAL INFORMATION

Behaviour in environmental systems:

Mobility and bioaccumulation potential: Product is not expected to bioaccumulate

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

Product

Recommendation

Smaller quantities can be disposed of with household waste.

Contact waste processors for recycling information

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified with state and international legislation.

European waste catalogue

Waste key numbers in accordance with the European Waste catalogue (EWC) are origin-referred defined.

Since this product is used in several industries, no waste key can be provided by the supplier. The waste key number should be determined in arrangements with your waste disposal partner or the responsible authority.

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Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary together with cleansing agents

14. TRANSPORT INFORMATION

Maritime transport IMDG:

Marine pollutant: No

Transport / Additional information: Not dangerous according to the above specifications

15. REGULATORY INFORMATION

Labeling according to EU guidelines

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xi Irritant

Risk phrases:

R38 Irritating to skin

R41 Risk of serious damage to eyes

Safety phrases

2 Keep out of reach of children

24/25 Avoid contact with skin and eyes

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

36/37/39 Wear suitable protective clothing, gloves and eye/ face protection

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

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

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R22 Harmful if swallowed

R35 Causes severe burns

R36 Irritating to eyes

R37 Irritating to respiratory system

R41 Risk of serious damage to eyes