

Safety Data Sheet

According to 1907/2006/EC, article 31 (REACH), according to Directive 67/548/EEC (DSD)
and according to 1272/2008/EC (CLP)

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: KALIX Cleaner HOCL
Product Type: Liquid cleaner and scale control
Recommended Use: Cleaner and descaler
Chemical Name: Hypochlorous Acid (HOCL)
Formula: Proprietary
Supplier: KALIX CPN INC.
1904 United Way, Suite #106
Medford, OR 97504

Emergency Telephone: +1.541.973.2244 (office hours only)

2 HAZARDS IDENTIFICATION

Classification: Not classified as hazardous
Hazards Statements: Not classified as hazardous
Pictogram: None/signal (see section 15)
Word: N/A

3 COMPOSITION/INFORMATION ON INGREDIENTS

Contains: Hypochlorous Acid (HOCL)
CAS-No: 7790-92-2

DISCLAIMER

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as the suitability of such information for his own particular use.

4 FIRST AID MEASURES

Emergency and First Aid Procedure:

Inhalation: Supply fresh air; consult doctor
Skin: Non irritating.
Eyes: Non irritating.
Ingestion: Give 2 – 4 cups water to dilute. Do not give fluids by mouth of person is unconscious. Contact poison control center or doctor.

5 FIRE FIGHTING MEASURES

Flash Point, °F: N/A
Auto Ignition Temperature, °F: N/A
Flammable limits in air, % by volume: N/A

Fire Extinguishing materials

N-P-K fertilizer solutions are non-flammable. If involved in a fire, N/A
use: None
Special fire fighting procedure: None
Unusual fire and explosion hazards:

6 ACCIDENTAL RELEASE MEASURES

Precautions if Material is Spilled or Released: Dilute with water or sweep up spills.
Waste Disposal Methods: Dispose according to federal, state and local regulations

7 HANDLING AND STORE

Storage and Handling: Store in tightly sealed containers in cool dry area, away from heat, flame and sunlight. Avoid contact with skin and eyes.
Special Precautions: Avoid oxidizing agents and strong acids

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation and engineering controls: General ventilation recommended to reduce exposure to airborne contaminants

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Respiratory protection:	No face mask necessary with general adequate ventilation
Eye protection:	Goggles or safety glasses recommended
Gloves:	Chemical resistant gloves recommended
Other clothing and equipment:	Long sleeve shirt, socks and shoes

Precautionary statements:

Other handling and storage requirements:	Wash hands, forearms and face thoroughly after handling chemical products, before eating , smoking and using laboratory.
Protective measures during maintenance of contaminated equipment:	Remove potential contaminated clothing. Wash contaminated clothing before reusing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (closed cup method):	N/A
Specific Gravity:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Boiling Point:	N/A
Melting Point:	N/A
Physical State:	Liquid
Appearance:	Clear / Mild chlorine smell

10 STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Materials to Avoid:	None known
Conditions to Avoid:	High temperature sources, or open flames, which might induce thermal composition
Hazardous Decomposition Products:	None known under normal conditions

11 TOXICOLOGICAL INFORMATION

SYMPTOMS OF OVEREXPOSURE:

Inhaled:	May cause respiratory tract irritation
Contact with skin or eyes:	Eye irritation. May irritate skin.
Absorbed through skin:	N/A
Ingestion:	Maybe harmful if swallowed.

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HEALTH EFFECTS OR RISKS FROM EXPOSURE:

Acute: No components are considered toxic
Chronic: No data available
Reproductive: No data available

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

POTENTIAL OR SUSPECTED CANCER AGENT No

12 ECOLOGICAL INFORMATION

Occupational Exposure Limit: None known
Threshold Limit Value: Not established
OSHA Permissible Exposure Limit: Not established

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of all wastes in accordance with Federal, State and Local regulations.

14 TRANSPORT INFORMATION

US DOT: Not regulated as hazardous material
IMO: Not regulated as hazardous material
IATA: Not regulated as hazardous material
RID/ADR: Not regulated as hazardous material
Canadian TDG: Not regulated as hazardous material

15 REGULATORY INFORMATION

CONTAINS: Hypochlorous Acid (HOCL)
TSCA INVENTORY LIST: All components are listed or exempted
US EPA CERCLA RQ: No products were found

**SARA Title III Section
Extremely Hazardous
Substance:**

Section 304 EHS RQ: No products were found

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Section 302 TPQ:

No products were found

**SARA Title III Section
311-312:**

Hazard Category:

N/A

US EPA EPCRA Section

No products were found

313 Listed:

Threshold Quantity

N/A

(Processed or
Manufactured):

Canadian WHIMIS

Not regulated

Classification:

California Prop 65:

This product doesn't contain any chemicals known to the state of California to cause cancer, birth, or any other reproductive defects

SAFETY PHRASES:

S1/2

Keep out of the reach of children

S17

Keep away from combustible material

S26

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

S28

After contact with skin, wash immediately with plenty of water

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection

S45

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

16 OTHER INFORMATION

REVISION DATE:

8/22/2022

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