



Safety Data Sheet

Product Name: Deptil CL

Product Code: MI-5524

Kersia

PO Box 46098
Minneapolis, MN 55446
800-225-3832

Telephone Numbers

During Normal Business hours call: 612-638-2100
Transportation Emergency Call Chemtrec: 800-424-9300

Product use: This product is manufactured for commercial/industrial use.
Not recommended for household use.

Product Use: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Not recommended for: Household use.

Section 2 - Hazards Identification

GHS Ratings:

Corrosive to metals	1	Corrosive to metals
Skin corrosive	1B	Destruction of dermal tissue: Exposure < 1 hour Observation < 14 days, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation
Aquatic toxicity	C2	Acute toxicity > 1.00 but <= 10.0 mg/l and lack of rapid degradability and log Kow >= 4 unless BCF < 500 and unless chronic toxicity > 1 mg/l

GHS Hazards

H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

GHS Precautions

P234	Keep only in original container
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash ... thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see ... on this label)
P363	Wash contaminated clothing before reuse
P391	Collect spillage
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P405	Store locked up
P406	Store in a corrosive resistant/... container with a resistant inner liner
P403+P233	Store in a well ventilated place. Keep container tightly closed
P501	Dispose of contents/container to ...

Danger



There are no GHS ratings that apply to this product at this time.

Section 3 - Composition

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium hypochlorite 7681-52-9 13 percent			

Section 4 - First Aid Measures

Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure to yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while getting immediate medical aid.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.

Skin Contact:

In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

Ingestion:

If conscious, give 2 to 3 glasses of water. Do not induce vomiting and seek medical attention immediately.

Notes to Physician:

No data found.

Section 5 - Fire Fighting Measures

LEL: N/A

UEL: N/A

Flammable Limits:

Flash Point: No data available.

Extinguishing Media:

Use extinguishing agent suitable for type of surrounding fire.

Unusual Fire or Explosion Hazards:

No data available.

Hazardous Combustion Products:

See Section 10 for a list of hazardous decomposition products for this mixture.

Fire Fighting:

If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

Fire Fighting:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk, stay upwind, and avoid run off to waterways and sewers.

SMALL SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Dike to collect large liquid spills, collect leaking liquid in sealable compatible containers.

Neutralize with Sodium Bisulfite or Ferrous Salt solution to destroy the Sodium Hypochlorite.

Cautiously neutralize remainder. Then wash away with plenty of water.

Section 7 - Handling and Storage

Handling Precautions:

Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containment closed when not in use. Do not handle or store material near heat, sparks, or open flames, or other sources of ignition.

Storage:

Prevent from freezing. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C)

Regulatory Requirements:

No data found

Section 8 - Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium hypochlorite 7681-52-9			

Engineering controls:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

Ventilation Control:

Provide adequate ventilation to control airborne concentration below the exposure guidelines/limits.

Administrative controls:

No data found.

Personal Protection:

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard Assessment of all workplaces to determine the need for proper protective equipment for each employee.

Eye Protection:

Normal industrial eye protection practices should be employed.

Skin Protection:

In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory:

If airborne concentration limits are not met, an approved respirator must be worn.

Contaminated Equipment:

Dispose of the waste in compliance with federal, state, regional, and local regulations.

Section 9 - Physical and Chemical Properties

<p>Partition coefficient (n- Not Determined octanol/water):</p> <p>Decomposition temperature: Not Determined</p> <p>Density: 1.226</p> <p>Freezing point: -11F (-24C)</p> <p>Boiling range: 219F (104C) for 12.5% NaOCI by wt.</p> <p>Evaporation rate: Not Determined</p> <p>Appearance Clear Yellow Liquid</p> <p>Physical State Liquid</p> <p>Odor threshold: 0.9 mg/m³</p> <p>pH: Strong Base >12</p>	<p>Autoignition temperature: N/A</p> <p>Viscosity: 2.15 @ 23C for 12.5% NaOCI by wt</p> <p>Melting point: -11F (-24C)</p> <p>Solubility: Complete</p> <p>Flash point: 999 C, 999 F</p> <p>Flammability: Not Determined</p> <p>Odor Chlorine</p> <p>Vapor Pressure: 12 mm Hg (12.5% solution)</p> <p>Vapor Density: Not Determined</p> <p>Explosive Limits: 0%</p>
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Section 10 - Stability and Reactivity

Stability:

STABLE

Incompatibilities:

Avoid contact with strong acids, releases Chlorine gas.

Hazardous Decomposition Products:

Note: these are all possible decomposition products based on molecular structure of components.

Hydrogen Chloride, Chlorine, or Oxides of Chlorine

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

Routes of entry:

No data found.

Target Organs:

No data found.

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No data found.

Section 12 - Ecological Information

Ecotoxicity:

No data available for this product.

Component Ecotoxicity

Sodium hypochlorite

96 Hr LC50 Pimephales promelas: 0.06 - 0.11 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 4.5 - 7.6 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.4 - 0.8 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.28 - 1 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.05 - 0.771 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.03 - <0.19 mg/L [semi-static]; 96 Hr LC50 Oncorhynchus mykiss: 0.18 - 0.22 mg/L [static]
48 Hr EC50 Daphnia magna: 0.033 - 0.044 mg/L [Static]

Section 13 - Disposal

Disposal Instructions:

Refer to the latest federal, state, and local regulations regarding proper disposal.

Section 14 - Transportation Information

The following is for US DOT Highway transportation. Other modes/jurisdictions may have different classifications.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
US DOT	Hypochlorite Solutions	UN1791	III	8

Section 15 - Regulatory Information

This listing is to highlight federal level regulation of the product. Individual states, and other nations may have further regulations not listed below.

US DOT List of Marine Pollutants (172.101 - Appendix B)
- None

US DOT List of Hazardous Substances and Reportable Quantities (172.101 Appendix A)
7681-52-9 Sodium hypochlorite 13 %

US DOT List of Severe Marine Pollutants (172.101 - Appendix B)
- None

SARA Section 302 Extremely Hazardous Substances (40 CFR 355):
- None

Sara Section 302 Threshold Planning Quantity.
- None

SARA Section 313, Toxic Chemicals (40 CFR 372.65):
- None

SARA Reportable Quantity.

7681-52-9 Sodium hypochlorite 13 %

Toxic Substances Control Act (TSCA):

All components are listed or exempt from the Toxic Substances Control Act except those listed below.

- None

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 (SARA):

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

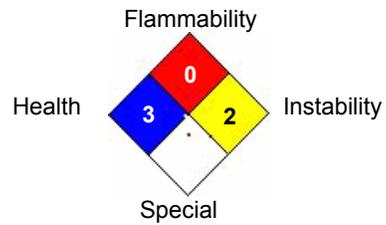
Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	2
PERSONAL PROTECTION	D

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision

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