

Century Pharmaceuticals Inc.

Di-Dak-Sol

(Sodium Hypochlorite Solution 0.0125% w/v)

SAFETY DATA SHEET

Version 2

Revision Date: 11/7/2019

Section 1. Product and Company Identification

1.1 Product Identifier:	Sodium Hypochlorite Solution 0.0125% w/v
1.2 Product Uses:	Topical Antiseptic/Antimicrobial
1.3 Manufacturer:	Century Pharmaceuticals, Inc. 10377 Hague Road Indianapolis, IN 46256
1.4 Emergency Phone Numbers:	(317)-849-4210 (317)-939-3151 24-Hour Emergency Number

Section 2. Hazard Identification

2.1 Classification of the Mixture (According to 29 CFR 1910 (OSHA HCS): The solution is not classified as hazardous per 21 CFR1910.1200 in the amounts present in the product. Under normal conditions of use the likelihood of any adverse health effects is minimal. Emergency Overview: Clear, colorless solution with slight chlorine odor. WARNING: May be harmful if swallowed or inhaled. Contact with eyes may cause irritation and discomfort but no permanent damage to eyes.	
2.2 GHS Label Elements Including Precautionary Statements:	
Pictogram:	NONE
Signal Word:	WARNING!
2.3 Hazards Not Otherwise Classified Or Not Covered By GHS:	
Inhalation:	Inhalation of vapors or mists may cause irritation of the mucus membranes and respiratory tract. Symptoms may include coughing, bloody nose, sore throat and sneezing.
Skin Contact and Absorption:	When following label instructions, there should not be any adverse effects to the skin.
Eye Contact:	Direct contact may cause irritation and or burns with symptoms of redness, itching, swelling but no permanent injury to eyes.
Ingestion:	Ingestion may cause gastroenteritis with any or all of the following symptoms: nausea, vomiting

Section 3. Composition and Information on Ingredients

3.1 Chemical Identity and Composition:

Name	CAS #	% w/v
Sodium Hypochlorite	7681-52-9	0.0125%
Water qs to	7732-18-5	100%

Section 4. First Aid Measures

4.1 First Aid Response and Note to Physician:

Eyes:	Flush with water for a minimum of 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention as needed.
Inhalation:	If irritation or other symptoms are experienced, get medical attention immediately.
Ingestion:	DO NOT INDUCE VOMITING. Otherwise rinse mouth with water and give 8 to 10 ounces (or 250 to 300 ml) of water, milk, or gelatin solution. Get medical attention as needed.

Section 5. Firefighting Measures

5.1 Suitable and Unsuitable Extinguishing Media:

Use any means suitable for extinguishing surrounding fire. Use water spray to cool fire-exposed containers, to dilute liquid, and prevent release of sodium hypochlorite vapor.

5.2 Chemical Specific Hazards:

Not considered to be a fire hazard. Substance releases oxygen when heated, which may increase the severity of an existing fire. Containers may rupture from pressure build up.

5.3 Personal Protective Equipment and Precautions:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Section 6. Accidental Release Measures

6.1 Personal Protective Equipment, Precautions, and Emergency Procedures:

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in section 8. Keep unnecessary and unprotected personnel from entering.

6.2 Environmental Precautions:

Wash or incinerate all contaminated material in an environmentally acceptable manner. US regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities.

6.3 Methods and Materials for Containment and Cleanup:

Contain and recover spills when possible. Collect into clean high-density polyethylene containers or other appropriate containers. Absorb with inert materials. Wash away residues with large amounts of water.

Section 7. Handling and Storage

7.1 Precautions for Safe Handling:

No special protective equipment is needed when used under normal conditions.

7.2 Conditions for Safe Storage and Incompatibilities:

Keep in a tightly closed, light resistant container, at room temperature. Protect from heat.

Section 8. Exposure Controls/Personal Protection

8.1 Control Parameters (Occupational Exposure Limits):**Airborne Exposure Limits:**

OSHA PEL-0.5 ppm (TWA), 1ppm (STEL) as chlorine

ACGIH TLV-1ppm (TWA), 3 ppm (STEL) as chlorine

8.2 Engineering Controls: For Large Spills

Use a separate, corrosion-resistant ventilation system to capture mist or fumes, in order to keep employee exposure below the airborne exposure limits. Prevent entry into bearings or gear boxes.

8.3 Individual Protection Measures: For Large Spills**Protective Equipment:**

- Chemical safety goggles and/or a full face shield.
- Butyl rubber or neoprene gloves.
- Wear waterproof or washable outer clothing.
- Remove contaminated clothing and wash it before reuse.

Section 9. Physical and Chemical Properties

9.1 Appearance:	Clear colorless solution.
9.2 Odor:	Slight chlorine-like odor
9.3 pH:	10
9.4 Melting Point and Freezing Point:	Depends on concentration -4°C for 5 wt% Solution. -5°C for 10 wt% Solution. -7°C for 15 wt% Solution.
9.5 Initial Boiling Point and range:	100 –104 ° C
9.6 Flammability (Solid, Gas)	Not Flammable
9.7 Solubility:	Miscible with water

Section 10. Stability and Reactivity

10.1 Chemical Stability:

Slowly decomposes on contact with air. Rate increases with concentration and temperature. Exposure to light or sunlight accelerates decomposition.

10.2 Conditions to Avoid:

Light, heat, incompatible materials.

10.3 Incompatible Materials:

Incompatible with all combustibles and reducing agents, especially powdered oxidizable metals, ammonium compounds. Incompatible with acids.

10.4 Hazardous Decomposition Products:

Emits toxic fumes of chlorine when heated to decomposition.

Section 11. Toxicological Information

11.1 Information on Likely Routes of Exposure:

Skin Contact:	When following labeling instructions, there should not be any adverse effects to the skin.
Eye Contact:	May cause eye irritation and/or burns with symptoms of redness, itching, swelling but no permanent injury to eyes. Symptoms should be cleared within 72 hours.
Sensitization:	Not reported as a human sensitizer.
Inhalation:	Spray or mist may irritate to the nose and throat. The LC ₅₀ of 0.5% solution is greater than 2.10 mg/l (in rat) per acute inhalation toxicity / LC 50 in rat.
Carcinogenicity:	Does not appear in reference lists.
Ingestion:	May irritate and cause corrosion of the gastrointestinal tract.
Teratogenicity and Mutagenicity:	Not teratogenic even at maternally toxic doses. Mutagenicity has been demonstrated in bacteria and mammalian cell cultures, but not in experiments involving whole animals.
Reproductive Toxicology:	Shown to be toxic to mammalian fetuses only at doses toxic to the mother.

11.2 Toxicology Measures:

LD50 of 0.5% Solution:	Greater than 5000 mg/kg of body weight (in rat) per acute oral toxicity - up and down procedure.
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Section 12. Ecological Information

12.2 Persistence and Degradability:

In soil, sodium hypochlorite will degrade to sodium chloride but may form chlorine dioxide in contact with acidic soils. In water, sodium hypochlorite will eventually degrade to sodium chloride.

12.3 Bioaccumulative Potential:	Not applicable
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12.4 Mobility in the Soil:	Not applicable
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12.5 Other Adverse Effects:	None
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Section 13. Disposal Information

General Disposal Information:

Dispose of small quantities by flushing with plenty of water.

Dispose of large quantities in accordance with municipal, provincial and federal regulations.

Section 14. Transport Information

14.1 UN Number:	Not regulated at 0.0125% concentration.
14.2 UN Proper Shipping Name:	Not regulated at 0.0125% concentration.
14.3 Transport Hazard Class:	Not regulated at 0.0125% concentration.
14.4 Packing Group:	Not regulated at 0.0125% concentration.
14.5 Environmental Hazards:	Not regulated at 0.0125% concentration.
14.6 Transport in Bulk	Not regulated at 0.0125% concentration.
14.7 Special Precautions:	Not regulated at 0.0125% concentration.

Section 15. Regulatory Information

General Regulatory Information: This product has been classified in accordance with the hazard criteria, and the SDS contains all of the information required by the regulations.

Safety Environmental Transportation: Not applicable

U S Federal Regulations

Reportable Quantity (RQ) : Not applicable

State Regulations: California Proposition 65

Sodium hypochlorite does not appear on the California Proposition 65 list.

Section 16. Other Information

General Disclosure:

The information contained herein is based on the manufacturer's own study and the works of others. The above information is believed to be correct but should only be used as a guide. Century Pharmaceuticals, Inc. disclaims any express or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental or consequential damages resulting from reliance on the above information.