

Safety Data Sheet:

Supersedes Date: 12/16/2021

Issuing Date: 01/20/2022

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liquid Rhyno DRAIN OPENER
Recommended use Drain opener
Information on Manufacturer
DANCO, Division of NCH Corporation
2727 Chemsearch Blvd. Irving, TX 75062

Product Code: 9DLR010964
Chemical nature Sodium Hypochlorite Solution
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
1-800-523-5135

2. HAZARD IDENTIFICATION

Color Colorless - Light yellow

Physical state Liquid

Odor Slight chlorine

GHS Classification

Physical Hazards

Corrosive to Metals

Category 1

Health Hazard

Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation

Category 1

Category 1

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage

Precautionary Statements

P103 - Read label before use
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P260 - Do not breathe fumes
P270 - Do not eat, drink or smoke when using this product
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332 + P313 - If skin irritation occurs, get medical attention.
P363 - Wash contaminated clothing before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a physician.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P342 + P311 - If experiencing respiratory symptoms, call a physician.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P390 - Absorb spillage to prevent damage.
P406 - Store in a corrosion-resistant container.
P501 - Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Sodium hypochlorite	7681-52-9	10-15
Sodium hydroxide	1310-73-2	1-5

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Do not get in eyes, on skin or on clothing. Do not breathe vapors or spray mist.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. Thoroughly wash or discard clothing and shoes before reuse.
Inhalation	Remove person to fresh air. If signs/symptoms continue, get medical attention.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician	Treat symptomatically. The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

Flash Point	No information available.	Method	No information available
Upper:	No data available	Lower:	No data available
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Unsuitable Extinguishing Media	None known.		
Specific hazards arising from the chemical	Material can create slippery conditions.		
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.		
NFPA	Health 3	Flammability 0	Instability 1
HMIS -	Health 3	Flammability 0	Physical Hazard 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Pick up and transfer to properly labeled containers.
Neutralizing Agent	None known.

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or on clothing. Do not breathe mist, vapors, or spray.			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Metal containers must be lined.			
Storage Temperature	Minimum	No information available	Maximum	No information available
Storage Conditions	Indoor	Outdoor	Heated	Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Sodium hydroxide	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³	10 mg/m ³ Ceiling: 2 mg/m ³

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin Protection

Wear suitable protective clothing, Impervious gloves.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Remove and wash contaminated clothing before re-use. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Viscosity	No information available
Color	Colorless - Light yellow	Odor	Slight chlorine
Odor Threshold	Not applicable	Appearance	No information available.
pH	12	Specific Gravity	1.1
Evaporation Rate	No information available	Percent Volatile (Volume)	95
VOC Content (%)	No data available	VOC Content (g/L)	No data available
Vapor pressure	17.5 mmHg @ 68°F	Vapor Density	No information available
Solubility	Completely soluble	n-Octanol/Water Partition	No data available
Melting Point/Range	21 °F / -6 °C	Decomposition Temperature	No data available
Boiling Point/Range	104 °F / 40 °C	Flammability (solid, gas)	No data available
Flash Point	No information available.	Method	No information available
Autoignition Temperature	No information available.		
Upper: No data available	Lower: No data available		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition, Extremes of temperature and direct sunlight.
Incompatible Products	Ammonia, Amines, Ammonium salts, Acids, Strong oxidizing agents, Metals.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Chlorine gas, Sodium oxides.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral 8200 mg/kg Rat	LD50 Dermal 10,000 mg/kg Rabbit
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The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 No information available

Dermal LD50 No information available

Inhalation LC50

Gas No information available

Mist No information available

Vapor No information available

Principle Route of Exposure Skin contact, Eye contact.

Primary Routes of Entry Skin contact, Eye contact, Inhalation.

Acute Effects:

Eyes Corrosive to the eyes and may cause severe damage including blindness.

Skin Causes severe skin burns.

Inhalation Severe respiratory irritant.

Ingestion If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the

esophagus and the stomach.

Chronic Toxicity

Inhaled corrosive substances can lead to a toxic edema of the lungs.

Target Organ Effects:

Skin, Eyes, Respiratory system.

Aggravated Medical Conditions

Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Sodium hypochlorite 7681-52-9	= 8.91 g/kg (rat)	> 20000 mg/kg (rabbit)	> 10.5 mg/L (rat) 1 h	No data available	No data available
Sodium hydroxide 1310-73-2	325 mg/kg (rat)	= 1350 mg/kg (rabbit)	No data available	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium hydroxide 1310-73-2	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA	Other
Sodium hypochlorite 7681-52-9	Not applicable	Group 3	Not applicable	Not applicable	Not applicable

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Additional Ecological Information:

No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Sodium hypochlorite	CE50 (Skeletonema costatum, 24h) = 0.095 mg/L	CL50 (Lepomis macrochirus, 96h): 0.39 mg/L	No information available	CE50 (Daphnia magna, 48h): 0.033 - 0.055 mg/L	N/A
Sodium hydroxide	No information available.	CL50 (Oncorhynchus mykiss, 96h) = 45.4 mg/L	No information available	No information available.	N/A

Persistence and Degradability
Bioaccumulation
Mobility

No information available.
Not likely to bioaccumulate.
No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal
Container Disposal

Dispose of in accordance with local regulations.
Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name HYPOCHLORITE SOLUTION
Hazard Class 8
UN-No UN1791
Packing Group III
Reportable Quantity (RQ) SODIUM HYPOCHLORITE, RQ kg = 864.7619
Description UN1791, HYPOCHLORITE SOLUTION, 8, PG III

TDG

Proper shipping name HYPOCHLORITE SOLUTION

Hazard Class 8
UN-No UN1791
Packing Group III
Description UN1791,HYPOCHLORITE SOLUTION,8,PG III

ICAO

UN-No UN1791
Proper Shipping Name HYPOCHLORITE SOLUTION
Hazard Class 8
Packing Group III
Shipping Description UN1791,HYPOCHLORITE SOLUTION,8,PG III

IATA

UN-No UN1791
Proper Shipping Name HYPOCHLORITE SOLUTION
Hazard Class 8
Packing Group III
ERG-Code 8L
Shipping Description UN1791,HYPOCHLORITE SOLUTION,8,PG III

IMDG/IMO

UN proper shipping name HYPOCHLORITE SOLUTION
Hazard Class 8
UN Number UN1791
Packing Group III
EmS No. F-A, S-B
Description UN1791,HYPOCHLORITE SOLUTION,8,PG III

15. REGULATORY INFORMATION

Inventories

TSCA Listed
DSL / NDSL Listed

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

See Section 2

CERCLA

Chemical name	Hazardous Substances RQs	CERCLA EHS RQs
Sodium hypochlorite	100 lb	Not applicable
Sodium hydroxide	1000 lb	Not applicable

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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