SAFETY DATA SHEET

Supercedes Date: 12/16/2021 **Issuing Date:** 12/12/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liquid Rhyno DRAIN OPENER
Product Code: 9DLR010962
Recommended use Drain opener
Chemical nature Sodium Hypochlorite Solution

Information on Manufacturer
DANCO, Division of NCH Corporation
2727 Chemsearch Blvd. Irving, TX 75062

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
Appearance No information available

GHS Classification

Physical Hazards

Corrosive to metals	Category 1

Health Hazard

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

Hazards not otherwise classified (HNOC)
Not applied

Labeling
Signal word
Danger

Hazard statements
Causes severe skin burns and eye damage
May be corrosive to metals

Precautionary statements
Wear protective gloves, protective clothing, eye protection and face protection.
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe vapors or mists.
Use only outdoors or in a well-ventilated area
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a physician.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a physician.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
Absorb spillage to prevent material damage
Store in a corrosion-resistant container.
Store in a well-ventilated place. Keep container tightly closed
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	7-12
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 Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

	Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical attention.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical attention.
Inhalation	Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical attention.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get immediate medical attention.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

5. FIRE-FIGHTING MEASURES

Flash Point No information available **Method** No information available
Upper flammability limit: No information available **Lower flammability limit:** No information 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 hazards**	3	**Flammability**	0	**Stability**	1
HMIS	**Health hazards**	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	CAL/OSHA PEL	ACGIH TLV	OSHA PEL	NIOSH
Sodium chloride	No data available	Data lacking	5 mg/m³ PNOR (as solid)	Data lacking
Sodium hydroxide	No data available	Ceiling: 2 mg/m³	TWA: 2 mg/m³	10 mg/m³ Ceiling: 2 mg/m³

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	**Kinematic viscosity**	Non viscous
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
Product VP (mmHg @ 70°F)	No data available	**Relative vapor density**	No information available
Solubility(ies)	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 flammability limit: No information available **Lower flammability limit:** No information 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 No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) No information available

ATEmix (dermal) No information available

Inhalation LC50

ATEmix (inhalation-gas) No information available

ATEmix (inhalation-dust/mist) No information available

ATEmix (inhalation-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	Others
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 information 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	-	Group 3	-	-	Not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available

Persistence and Degradability No information available
Bioaccumulation No information available
Mobility No information available

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	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 (Dapnhia magna, 48h): 0.033 - 0.055 mg/L	-
Sodium hydroxide	No information available	CL50 (Oncorhynchus mykiss, 96h) = 45.4 mg/L	No information available	No information available	-

Persistence and degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal 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
Transport hazard class(es)	8
UN number or ID number	UN1791
Packing group	III
Reportable Quantity (RQ)	SODIUM HYPOCHLORITE, RQ kg = 864.7619
Description	UN1791,HYPOCHLORITE SOLUTION,8,PG III

TDG

UN proper shipping name	HYPOCHLORITE SOLUTION
Transport hazard class(es)	8
UN number or ID number	UN1791
Packing group	III
Description	UN1791,HYPOCHLORITE SOLUTION,8,PG III

ICAO (air)

UN number or ID number	UN1791
UN proper shipping name	HYPOCHLORITE SOLUTION
Transport hazard class(es)	8
Packing group	III
Description	UN1791,HYPOCHLORITE SOLUTION,8,PG III

IATA

UN number or ID number	UN1791
UN proper shipping name	HYPOCHLORITE SOLUTION
Transport hazard class(es)	8
Packing group	III
ERG-Code	8L
Description	UN1791,HYPOCHLORITE SOLUTION,8,PG III

IMDG

UN proper shipping name	HYPOCHLORITE SOLUTION
Transport hazard class(es)	8
UN number or ID 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

US 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 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium hypochlorite 7681-52-9	100 lb	-
Sodium hydroxide 1310-73-2	1000 lb	-

US State Regulations

California Proposition 65	This product does not contain any Proposition 65 chemicals

16. OTHER INFORMATION

Prepared By	Adrienne McKee
Supercedes Date:	12/16/2021
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Revision Note	No information available
Glossary	No information available
List of References.	No information available

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