Safety Data Sheet:

Supercedes Date 11/20/2013 **Issuing Date** 08/15/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name POWERPLAY Pro-Strength Drain Opener
Recommended use Drain opener
Information on Manufacturer
DANCO, Division of NCH Corporation
2727 Chemsearch Blvd. Irving, TX 75062

Product Code 9DTF010964
Chemical nature Sodium Hypochlorite Solution
Emergency Telephone Number
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	Category 1
Serious Eye Damage/Eye Irritation	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 at rest in a position 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 local regulations.***

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Sodium hypochlorite	7681-52-9	10-30
Sodium hydroxide	1310-73-2	3-7

*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	**Instability**	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	LD50 Dermal
8200 mg/kg Rat	10,000 mg/kg Rabbit

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

Oral LD50 54,667.00

Dermal LD50 22,785.00

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	= 8200 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	No data available	No data available	No data available
Sodium hydroxide 1310-73-2	No data available	= 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.

Component Information

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Sodium hypochlorite	No information available.	LC50 0.06 - 0.11 mg/L Pimephales promelas 96 h LC50 4.5 - 7.6 mg/L Pimephales promelas 96 h LC50 0.4 - 0.8 mg/L Lepomis macrochirus 96 h LC50 0.28 - 1 mg/L Lepomis macrochirus 96 h LC50 0.05 - 0.771 mg/L Oncorhynchus mykiss 96 h LC50 0.03 - 0.19 mg/L Oncorhynchus mykiss 96 h LC50 0.18 - 0.22 mg/L Oncorhynchus mykiss 96 h	No information available	0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static	N/A
Sodium hydroxide	No information available.	LC50 = 45.4 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A

Persistence and Degradability No information available.
Bioaccumulation Not likely to bioaccumulate.
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
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

Proper Shipping Name	HYPOCHLORITE SOLUTION
Hazard Class	8
UN-No	UN1791
Packing Group	III
EmS No.	F-A, S-B
Description	UN1791,HYPOCHLORITE SOLUTION,8,PG III

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (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:

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

Prepared By	Angus DeWalt
Supercedes Date	11/20/2013
Issuing Date	08/15/2018
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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