

Safety Data Sheet:

Supersedes Date 11/20/2013

Issuing Date 08/15/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name POWERPLAY Hair & Grease Clog Buster
Recommended use Drain opener
Information on Manufacturer
DANCO, Division of NCH Corporation
2727 Chemsearch Blvd. Irving, TX 75062

Product Code 9DTF010963
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
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 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 8200 mg/kg Rat | LD50 Dermal 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 |
| Supersedes 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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