

# Safety Data Sheet - HYPOGEN

Date: April 11, 2020

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY IDENTIFICATION

<b>Material Name:</b> Electrolytically Generated Hypochlorous Acid	<b>Company:</b> Chlorking, Inc.
<b>Material Use:</b> General Sanitation	<b>Address:</b> 2935 Northeast Parkway, Atlanta, GA 30360
	<b>Contact:</b> 1-800-536-8180

## SECTION 2: HAZARDS IDENTIFICATION

**Adverse Human Effects and Symptoms:** None of the ingredients are classified as Hazardous in the amounts present in the product. Under normal conditions of use the likelihood of any adverse health effects is minimal.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredients	Approximate Concentration w/v%	CAS #	EINECS #
Hypochlorous Acid (HOCl)	≤0.1	7790-92-3	232-232-5
Acetic acid (CH <sub>3</sub> COOH)	≤0.07	64-19-7	200-580-7
Water (H <sub>2</sub> O)	99.83	7732-18-5	231-791-2

## SECTION 4: FIRST AID MEASURES

**Inhalation** – None required. If discomfort develops, remove from further exposure. Obtain medical attention, if any effects occur.  
**Skin Contact** – None required. If irritation develops, flush with plenty of water and obtain medical attention.  
**Eye Contact** – None required. If discomfort develops, flush eyes with plenty of water. Obtain medical attention, if irritation develops.  
**Ingestion** – None required. If discomfort develops, drink 2 glasses of water. Obtain medical attention, if feeling unwell.

## SECTION 5: FIRE FIGHTING MEASURES

**Flammability** –  Yes  No If yes, under which conditions:  
**Means of Extinction** – Non-flammable  
**Protective Equipment for Firefighters** – As in any fire, respiratory and eye protection required.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal & Environmental Precautions** – None  
**Spillages** – Clean up spilled liquid. Mop up or absorb with inert material (cloth, paper towel, etc.). Cleaning materials may be disposed of as normal refuse. Recommended to finish cleaning with water.

## SECTION 7: HANDLING AND STORAGE

**Handling Precautions** – None  
**Storage Requirements** – Store in cool area away from UV or direct sunlight. Keep container tightly closed when not in use.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Personal Protection** – Maintain general industrial hygiene practices when using this product. Use chemical apron if desired. May discolor dark clothing.  
**Respiratory** – Adequate ventilation. Personal respiratory protection is not required. Do not breathe vapor.  
**Eye Protection** – Not required for normal use. Use safety glasses, if desired.  
**Skin Protection** – Not required for normal use. Use latex or vinyl gloves, if desired.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b> – Clear, colorless liquid.	<b>Density</b> – 1.01 g/ml at 20°C
<b>Odor</b> – Slight chlorine odor	<b>pH</b> – 5-7
<b>Solubility in Water</b> – Soluble	<b>Boiling Point</b> – 212°F 100°C (decomposes)

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability** –  Yes  No Losses its level of Hypochlorous Acid at high temperatures and direct UV light. Product label contains shelf life information.  
**Conditions and Materials to Avoid** – Heat and UV light  
**Hazardous Decomposition Products** – Elemental Chlorine (Cl<sub>2</sub>) as a result of reaction with acids.  
**Incompatible Materials** – Avoid contact with acids, heavy metals, reducing agents, ammonia, ether, hydrogen peroxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Route of Entry:**  Skin Contact  Skin Absorption  Eye Contact  Inhalation Acute  Inhalation Chronic  Ingestion

**Effects and Symptoms of Short-Term Exposure** – No reported adverse effects  
**Chronic Effects and Symptoms of Long-Term Exposure** – No reported adverse effects. Has not been found to be a carcinogen nor produce genetic, reproductive, or development effects.  
**Sensitization** – Non-sensitizing  
**Irritancy of Product** – Non-irritating

## SECTION 12: ECOLOGICAL INFORMATION

No ecological effects are to be expected

## SECTION 13: DISPOSAL CONSIDERATIONS

**Method of Waste Disposal** – This product, in its present state, is not classified as hazardous waste (Federal regulations, 40CFR 261.4 (b)(4)).  
**Waste from residues / unused products** – Can be landfilled, when in compliance with local regulations.  
**Contaminated containers** – Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: TRANSPORT INFORMATION

<b>Product Label:</b>	HYPOGEN	<b>D.O.T.:</b>	Not Regulated as Dangerous Goods	<b>IATA:</b>	Not Regulated as Dangerous Goods
<b>D.O.T. Shipping Name:</b>	Hypochlorous Acid	<b>IMDG:</b>	Not Regulated as Dangerous Goods	<b>Package class:</b>	70, PG III

**Technical Shipping Name:** - A safe and effective dermal cleansing solution

## SECTION 15: REGULATORY INFORMATION

EPA –SARA TITLE III/CERCLA: This product contains no chemicals reportable under Section 313 and contains chemicals regulated under Section 304/CERCLA.  
TSCA: All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.  
TSCA 12(b): This product is not subject to TSCA 12(b) reporting requirements.

## SECTION 16: OTHER INFORMATION

**MANUFACTURER DISCLAIMER:** The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.