



SAFETY DATA SHEET

According to 29CFR 1910.1200

Bathroom Gel Cleaner

Section 1: Identification

GHS Product Name: Bathroom Gel Cleaner

Product Code: BR16

Other means of identification: Not applicable (N/A)

Chemical Name/Synonyms: Sodium Hypochlorite

Product Type: Liquid

Optimal Solutions Products

145 City View Cir

Pickens, South Carolina 29672

864-557-3767

www.OSproduct.com

Emergency number: Chemtrec 1-800-262-8200

Section 2: Hazard(s) Identification

Hazard Classification:

SKIN CORROSION: Sub-category 1C

EYE DAMAGE: Category 1

ACUTE AQUATIC TOXICITY: Category 1



Signal Word(s):

Danger

Hazard Statements:

H301: Toxic if Swallowed

H302: Harmful if Swallowed

H314: Causes Severe Skin Burns and Eye Damage

H333: May be Harmful if Inhaled

H400: Very Toxic to Aquatic Life

Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use

P234: Keep in Original Container

P235: Keep Cool.

P260: Do Not Breathe Dusts or Mists

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash Hands Thoroughly After Handling

P270: Do Not Eat, Drink or Smoke When Using This Product

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid Release to the Environment

P280: Wear Protective Gloves/Eye Protection/Face Protection

P501: Dispose of the contents/containers according to the local, state and federal regulations.

Response Statements:

P301: IF SWALLOWED

P310: Immediately call a Poison Center or Doctor/Physician.

P330: Rinse mouth.

P331: Do NOT induce vomiting.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P321: See Specific Treatment on this Label

P303: IF ON SKIN (or hair)

P361: Remove/Take off immediately all contaminated clothing.

P353: Rinse skin with water/shower.

P332: IF SKIN irritation occurs

P313: Get medical advice/attention



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Section 2: Hazard(s) Identification Continued

P304: IF INHALED

P340: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P341: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342: IF experiencing respiratory symptoms

P311: Call a POISON CENTER or doctor/physician.

P305: IF IN EYES

P351: Rinse cautiously with water for several minutes.

P338: Remove contact lenses, if present and easy to do. Continue rinsing.

P337: IF eye irritation persists

P313: Get medical advice/attention

P363: Wash Contaminated Clothing Before Reuse

P390: Absorb Spillage to Prevent Material Damage

P391: Collect Spillage

P321: Specific treatment (see First Aid information and product label and/or Section 4 of the SDS)

STORAGE STATEMENTS:

P406: Store in a Corrosive Resistant Container with a Resistant Inner Liner

P405: Store Locked Up

DISPOSAL STATEMENTS:

P501: Dispose of Contents/Container in Accordance with Local/State/Federal/International Regulations

CARCINOGENICITY:

Not listed by OSHA, IARC, OR NTP

Section 3: Composition/ Information on Ingredients

Substance / Mixture:

Mixture

Chemical Name	Synonym	CAS#	Conc.
Sodium Hypochlorite		7681-52-9	8.4 %

Section 4: First-Aid Measures

After skin contact:

Wash with plenty of water. Remove contaminated clothing and shoes. Continue to wash under shower with soap and water for at least 15 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse. If irritation or burn occurs get medical attention.

After eye contact:

Immediately flush eyes with plenty of water. If possible, remove contact lenses. Rinse for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.

After inhalation:

Remove from exposure and move to fresh air immediately and keep in a position comfortable for breathing. Give artificial respiration if necessary. Obtain medical attention if necessary.

After swallowing:

DO NOT INDUCE VOMITING. If person is conscious, give 2 or more glasses of water. Never give anything to an unconscious person. DO NOT use baking soda or acidic antidotes. Consult a physician or medical facility immediately.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Not combustible, however, if material is involved in a fire: Use fine water spray, normal foam, carbon dioxide or dry chemical powder

Special protective equipment for firefighters: Decomposes on heating emitting toxic fumes, including those of chlorine. Firefighters must wear self-contained breathing apparatus and suitable protective clothing if there is risk of exposure to products of decomposition.

Emergency Action Code: 2X

Specific Hazards: Non-combustible material



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Section 6: Accidental Release Measures

Personal precautions:	Isolate leaks if there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product. Evacuate the area and keep out those who do not have protection.
Measures for environmental protection:	Do not allow spilled material to enter sewers or streams.
Measures for cleaning/collecting:	Completely contain spilled material with dikes, sandbags, etc. and prevent runoff into the ground or surface waters or sewers. Flush spills with water to dilute bleach as much as possible. Flush residual neutralized waste to the drain with large amount of water. Avoid heat and contamination with acid. Do not use combustible materials such as sawdust to absorb hypochlorite.

Section 7: Handling and Storage

Precautions for safe handling:	Handle in accordance with good industrial hygiene and safety precautions. Avoid contact with skin, eyes, and clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Keep in original container. Do not reuse container. Use appropriate personal protective equipment (see Section 8).
Conditions for safe storage:	Store in accordance with local regulations. Store in segregated and approved area. Store in vented closed, clean, non-corrosive containers in a well-ventilated, cool dry location, away from direct sunlight and not adjacent to chemicals which may react with bleach if spillage occurs. If closed containers become heated, the containers should be vented to release decomposition products (mainly oxygen under normal conditions) (see Section 10). For small volumes: Store in plastic bottles or jugs. May be stored in amber glass bottles For large volumes: Store in HDPE plastic storage tanks.

Section 8: Exposure Controls/Personal Protection



Exposure Guidelines

<u>Ingredient name</u>	<u>CAS #</u>	<u>ACGIH</u>	<u>OSHA</u>	<u>California</u>
Sodium Hypochlorite	7681-52-9	TLV 1 ppm 8 hours	PEL 1 ppm 8 hours	

Engineering Controls:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local ventilation to keep airborne levels of vapor or mist to acceptable levels.
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Personal Protection Equipment

Respiratory:	If a risk assessment indicates this is necessary, use a properly fitted, air-purifying or air fed respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hands:	Chemical-resistant protective gloves should be always worn when handling chemical products, butyl and nitrile rubbers are recommended.
Eyes and Face:	Wear approved safety glasses or chemical splash goggles. Use a face shield when appropriate. Recommended: splash goggles
Skin:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Wear chemical resistant pants and jacket preferably butyl or nitrile rubber. Wear chemical resistant footwear.
Work Hygiene Practices:	Avoid contact with skin, eyes, and clothing. Do not breathe vapor or mist. Do not ingest. Wear chemical resistant pants and jackets, preferably butyl or nitrile rubber. Wear chemical resistant footwear.
Other use Precautions:	Wear appropriate protective clothing to prevent skin exposure. NIOSH approved supplied air respirator when exposure limits are exceeded. Face shield and chemical splash goggles when transferring is taking place

Personal protective equipment





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Section 9: Physical and Chemical Properties

Form:	Clear, yellow Liquid	Upper flammability or explosive limits:	Not available.
Odor:	Surfactant (slight)	Lower flammability or explosive limits:	Not available.
Odor Threshold:	Not available.	Vapor pressure:	Variable water.
pH:	12.5 – 13.5	Vapor density:	Not available.
Specific Gravity:	1.162	Relative density:	0.99 – 1.01
Freeze Point:	15° F	Auto Ignition Temp:	Not available.
Boiling point:	Decomposes	Decomposition temperature:	N/A
Flash point:	N/A	Viscosity:	N/A
Evaporation rate:	> 1	VOC (% wt.):	Not available.
Flammability:	Not available.	Percent Volatile:	98
Solubility:	Soluble in the following materials: cold water and hot water		

Section 10: Stability and Reactivity

Reactivity:	Unstable. Stability decreases with concentration, heat, light exposure, and decreases in pH and contamination with heavy metals.
Chemical stability:	Stable under normal conditions.
Hazardous Polymerization:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Heat, flames, and sparks.
Incompatible materials:	Avoid contamination with heavy metals, such as nickel, copper, cobalt, and iron; reducing agents, ether, ammonia, and acids as these materials would hasten decomposition
Hazardous decomposition products:	Hypochlorous acid (HOCl), chlorine, hydrochloric acid. Other decomposition products, which depend upon pH, temperature and time are sodium chloride, sodium chlorate and oxygen.
Storage:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep away from heat sources of ignition. Keep away from acids. Keep away from oxidizing agents. Store in 0 °C to 40 °C.

Section 11: Toxicological Information

Information on the likely routes of exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects:

Eye contact:	Contact can cause local irritation. High concentration may cause blindness.
Inhalation:	Exposure to humans to 0.5 ppm for 8 hours and 1 ppm for 4 hours caused transient decrease in pulmonary capacity, as measured by pulmonary function tests
Skin contact:	Irritating effects increase with strength of solution and time exposure. Liquid contact can cause local irritation and burns. Sodium hypochlorite vapors can cause irritation, burning and blisters.
Ingestion:	Swallowing of sodium hypochlorite can cause burning and pain in lips, mouth, tongue and stomach. Severe scarring of the throat can occur after swallowing.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity:
Toxicity in Fish LC50



Very toxic to plant and marine or aquatic life at high concentration
0.07-5.9 mg/L (ECOTOX: 48 hours, Fish)



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Section 13: Disposal Considerations (non-mandatory)

WASTE DISPOSAL METHOD:	Dispose of material in accordance with all federal, state, and local regulations. Reduce with chemicals listed as neutralizing chemicals. Keep on alkaline side and dilute with large quantities of water. Main product is NaCl.
NEUTRALIZING CHEMICALS:	Dispose of in accordance with all federal, state, and local regulations. Reducing agents such as bisulfites or ferrous salt solutions or urea for low bleach concentration. Heat will be produced.
GENERAL DISPOSAL CONSIDERATIONS:	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.

Section 14: Transport Information (non-mandatory)

PROPER SHIPPING NAME:	CORROSIVE LIQUID, N.O.S. (Sodium Hypochlorite Solution) CLEANING COMPOUND, LIQUID (Gallon - Limited Quantity)
UN/NA NUMBER:	UN1791
HAZARD CLASS:	8
PACKING GROUP:	III
EMERGENCY RESPONSE GUIDEBOOK:	154
PLACARD/LABELS REQUIRED:	Corrosive

Section 15: Regulatory Information (non-mandatory)

OSHA HAZARDOUS CHEMICAL:	none
SARA Section 302:	none
SARA Section 311/312:	Immediate (X) Delayed () Fire () Reactive () Sudden release of pressure ()
SARA Section 313 (specific toxic chemical listings):	none

Section 16: Other Information

HMIS: Health = 3; Flammability = 0; Reactivity = 0; Personal Protection Equipment = D

The information herein has been from sources believed to be accurate, reliable and up to date to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources and do not make any warranties nor assume any liability from its use or misuse.

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