

COS64200115
COS6420015

SAFETY DATA SHEET

Issued Date: 7/27/2017

Revised Date: 7/27/2017

Revision: B

Section 1 : Chemical Product and Company Identification.

1.1 Product Identifier:

Product Name: Laundry Bleach 10.5%

Product Code: 642001

Synonyms: Laundry Product, bleach solution

1.2 Relevant Identified Uses:

Usage(s): General sanitizer

1.3 Supplier Info:

Cosgrove Enterprises 14300 NW 77 Court Miami Lakes, FL 33016 (305) 820-5600

1.4 Emergency Phone Info:

For emergency and medical help line, call CHEM TEL at 800-255-3924, 24 hours a day, 7 days a week for information on all our products and/or SDS. To obtain a copy of the SDS for this product, contact customer service at (305) 820-5600

Section 2 : Hazards Identification.

2.1 Classification of substance or mixture

- ➔ Serious Eye Damage/Eye Irritation - Category 2A
- ➔ Skin Corrosion/Irritation - Category 1B

2.2 Labeling Elements



GHS07



GHS05

Physical Description: Light yellow-green liquid with pungent-like chlorine odor.

Signal Word: **Danger**

Hazard Statements

☐ ● Hazard

- ➔ H314 | Causes severe skin burns and eye damage
- ➔ H319 | Causes serious eye irritation

☐ ● Prevention

- ➔ P260 | Do not breathe dust/fume/gas/mist/vapours/spray.
- ➔ P264 | Wash exposed skin thoroughly after handling.
- ➔ P280 | Wear the following items: gloves, clothing, eye protection, and/or face protection where appropriate. See section 8 of SDS for details.

☐ ● Response

- ➔ P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- ➔ P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- ➔ P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- ➔ 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 poison control center or doctor for emergency medical advice.
- ➔ P321 | Specific treatment required, see section 4 on the SDS.
- ➔ P337 + P313 | If eye irritation persists: Get medical advice/attention.
- ➔ P363 | Wash contaminated clothing before reuse.

☐ ● Storage

- ➔ P405 | Store locked up.

☐ ● Disposal

- ➔ P501 | Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards:

None

Section 3 : Composition/Information On Ingredients.**3.1 Substances****Common Names:** Sodium Hypochlorite Solution 10%, Bleach solution

Ingredient Name	CAS	Percent
Sodium Hypochlorite	7681-52-9	10-14.2%
Sodium Hydroxide	1310-73-2	0.3-1.0%
Sodium Chloride	7647-14-5	9-12.5%
Sodium Carbonate	497-19-8	= 0.5%
Water	7732-18-5	Balance

Section 4 : First Aid Measures.**4.1 Description of First Aid Measures:****Inhalation:** Remove to fresh air. Give artificial respiration if not breathing. Seek immediate medical attention.**Eyes:** Wash eyes with plenty of water for at least 15 minutes while holding eye lids open. Consult an eye specialist immediately.**Skin:** Flush skin with running water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If symptoms persist, seek medical attention.**Ingestion:** If swallowed, drink large quantities of water. Do NOT induce vomiting. Call a poison control or doctor immediately for treatment advice.**4.2 Most Important Symptoms and Effects, Both Acute and Delayed:****Inhalation:** Irritating to respiratory tract. Mist or fumes may cause bronchial irritation, coughing, difficult breathing, nausea, and pulmonary edema.**Eyes:** Severe irritation and pain associated with redness and swelling of conjunctiva.**Skin:** Skin irritant. May cause moderate reddening, swelling, and possible skin damage.**Ingestion:** Causes irritation of membranes of mouth, throat, and stomach pain with possible ulceration. May lead to convulsions, coma or death.**Section 5 : Fire Fighting Measures.****5.1 Extinguishing Media:**

Use water spray, fog, foam, dry chemicals, or carbon dioxide.

5.2 Specific Hazards Arising from the Chemical:

Possible vigorous reaction upon contamination with organics or oxidizing agents. Bleach decomposes when heated, decomposition products may cause containers to rupture or explode. Many reactions can cause fire and explosion. This material will react with some metals which may cause liberation of oxygen. Toxic fumes can be liberated by contact with acid or heat. Vigorous reaction can occur with oxidizable materials and organics. Keep material cool using a water spray from a safe distance. Keep all unnecessary people away. Stay up wind and stay out of low-laying areas.

5.3 Special Protective Actions for Fire-Fighters:

Firefighters should wear protective equipment including self contained breathing apparatus. Avoid fumes. Dilute spill with copious amounts of water, ventilate. Be prepared to use respirator.

Section 6 : Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid breathing mist. Avoid contact with eyes. Wear appropriate protective clothing. Ventilate the area. Evacuate personnel to safe areas.

6.2 Environmental Precautions:

Avoid dispersal of spilled material or run-off and prevent contact with soil and entry into drains, sewers or waterways. Contain and recover when possible.

6.3 Methods and Materials for Containment and Cleaning Up:

Cover drains. Cover with a large quantity of inert absorbent (e.g. sand, vermiculite, kitty litter dry earth). Do NOT use combustible material such as saw dust. Collect product using a shovel and place into approved container for proper disposal as hazardous waste.

Section 7 : Handling And Storage**7.1 Precautions For Safe Handling:**

Store this product in a cool dry area; away from direct sunlight and heat to avoid deterioration. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

Hygiene Advice: Do not eat or smoke around chemical.

7.2 Conditions For Safe Storage:

Keep out of heat or direct sun light.

Section 8 : Exposure Controls And Personal Protection**8.1 Control Parameters:**

Ingredient Name	CAS	OSHA	ACGIH
Sodium Hypochlorite	7681-52-9	Not Established	Not Established
Sodium Hydroxide	1310-73-2	PEL: 2mg/m ³ Ceiling STEL: Not Established	TLV: 2mg/m ³ Ceiling STEL: Not Established
Sodium Chloride	7647-14-5	Not Established	Not Established
Sodium Carbonate	497-19-8	Not Established	Not Established
Water	7732-18-5	Not Established	Not Established

8.2 Engineering Controls:

Use with adequate ventilation. Local exhaust is preferable. Wash thoroughly after handling. Mixing this product with chemicals (e.g. common household cleaners, ammonia, acids, detergents, etc.) or organic matter will release chlorine gas, which is irritating to eyes, lungs and mucous membranes.

8.3 Protection Measures:

- **Individual Protection Measures:** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.
- **Hygiene Measures:** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory and at the end of the workday.
- **Eye/Face Protection:** Wear tightly fitting protective goggles.
- **Hand Protection:** Wear gloves recommended by glove supplier for protection against materials in section 3. Gloves must be inspected prior to use. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
- **Other Protective Equipment:** Wear impervious, protective chemical resistant clothing including gloves, lab coat, apron or coveralls as appropriate to the situation to prevent skin contact.

Section 9 : Physical And Chemical Properties

9.1: Information on Basic Physical and Chemical Properties

Appearance:	Light yellow-green liquid.
Odor:	pungent like chlorine.
OdorThreshold:	Not Available
PH:	> 12
Melting_FreezingPoint:	No Data Available
InitialBoilingPoint:	110 degrees Celsius for 15%
FlashPoint:	None flammable.
EvaporationPoint:	No Data Available
Flammability_Solid_Gas:	No Data Available
LowerExplosiveLimit:	No Data Available
UpperExplosiveLimit:	No Data Available
VaporPressure:	Vapor pressure of water plus decomposition products.
VaporDensity:	No Data Available
RelativeDensity:	No Data Available
Solubility:	Complete
Partition Coefficient: n-octanol/water:	No Data Available
AutoIgnitionTemp:	No Data Available
DecompositionTemp:	110 degrees Celsius
Viscosity:	< 10

9.2: Other Data

No Data Available

Section 10 : Stability And Reactivity

10.1 Reactivity:

Slowly decomposes on contact with air. Rate increases with the concentration and temperature. Exposure to sunlight accelerates decomposition.

10.2 Chemical Stability:

Unstable (contingent upon temperature, contamination (metals), and pH).

10.3 Possibility of Hazardous Reactions:

Will not occur.

10.4 Conditions to Avoid:

Heat, light exposure, decrease in pH, and contamination with heavy metals, such as nickel, cobalt, copper, and iron.

10.5 Incompatible Materials:

Heavy metals, reducing agents, organics, ether, ammonia, ammonium acetate, ammonium carbonate, ammonium nitrate, ammonium oxalate, ammonium phosphate, urea and acids.

10.6 Hazardous Decomposition Position:

Hypochlorous acid, chlorine, hydrochloric acid, sodium chloride, sodium chlorate, and oxygen. Decomposition of sodium hypochlorite takes place within a few seconds with the following salts: ammonium acetate, ammonium carbonate, ammonium nitrate, ammonium oxalate and ammonium phosphate. Hypochlorites react with urea to form nitrogen trichloride, which explodes spontaneously in air.

Section 11 : Toxilogical Information

No further information is available on this product at this time.

Section 12 : Ecological Information

No further information is available on this product at this time.

Section 13 : Disposal Considerations

Disposal is to be in accordance with all Federal, State, and Local regulations.

Section 14 : Transport Information**Proper DOT Shipping Name & Number**

UN1791, Hypochlorite Solutions, 8, III

Section 15 : Regulatory Information

TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA inventory.

Section 16 : Other Information

Hazardous Material Information System (HMIS)

HEALTH	FLAMMABILITY	REACTIVITY	PERSONAL PROTECTION
3	0	2	C

Release Notes: This change has been made to correct a name variation.

Prepared By: Regulatory Department; GL, DL

Issued Date: 7/27/2017

Revised Date: 7/27/2017

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For additional information, contact us.

Disclaimer:

Information contained in this SDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Manufacturer or Vendor in connection with the use of this information.