

SAFETY DATA SHEET

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

PureChlor

SDS Number:

Revision Date: 3/15/2020

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Turner Mfg.
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Product Name: PureChlor
Revision Date: 3/15/2020
Common Name: Bleach, Sodium Hypochlorite 10%
Product Code: EPA Reg No 813-16-86520
Product Use: Water treatment chemical, Swimming pool chlorinator, Hard surface cleaner, Biocides

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
Health, Skin corrosion/irritation, 1
Health, Serious Eye Damage/Eye Irritation, 1
Environmental, Hazards to the aquatic environment - Acute, 1
Health, Specific target organ toxicity - Single exposure, 3
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H400 - Very toxic to aquatic life
H335 - May cause respiratory irritation
H411 - Toxic to aquatic life with long lasting effects

GHS 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.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P321 - Specific treatment (see FIRST AID on this label).
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container according to local, state and federal regulations.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
0	90%	Inert Ingredients
7681-52-9	10%	Sodium hypochlorite

The exact percentage (concentration) of composition has been withheld as a trade secret.

4 FIRST AID MEASURES

Inhalation: Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners.

Eye Contact: Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart. Get medical attention. Remove contact lenses if present and easy to do - continue rinsing.

Ingestion: If accidentally swallowed obtain immediate medical attention. Rinse mouth. Keep at rest. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into lungs.

Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5 FIRE FIGHTING MEASURES

Flammability: Non-flammable
Flash Point: Not applicable

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Extinguishing Media: Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with the concentration with temperatures above 85 °F (30 °C). Do not breathe mist / vapors / spray.

Advise for Firefighters: Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.). Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated. TOXIC; inhalation, ingestion or skin contact with material may cause severe injury or death. Avoid any skin contact. Contact with molten substance may cause severe burns to skin and eyes. Effects of contact or inhalation may be delayed. Fire may produce irritating, corrosive and/or toxic gases. Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.

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ACCIDENTAL RELEASE MEASURES

For Emergency Responders: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Local authorities should be contacted if significant spill cannot be contained.

Do not allow spills to enter drains or watercourses.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.

7

HANDLING AND STORAGE

Handling Precautions: Wear appropriate personal protective equipment. Do not get in eyes, on skin, on clothing. Chemical attack increases with solution strength. Use with adequate ventilation. Observe good industrial hygiene practices. Do not apply heat or direct sunlight. Temperature and product concentration affect product quality and decomposition rates.

Storage Requirements: Handle containers carefully to prevent damage and spillage. Keep container tightly closed. Store in a cool and well-ventilated place. Store in a corrosive resistant container. Consult container manufacturer for additional guidance. Store away from and do not mix with incompatible materials such as acids, ammonia, urea, oxidizers, organics and metals such as nickel, copper, tin, aluminum and iron.

8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn. Eye wash and safety shower must be available when handling this product .

Exposure Limits:
USA ACGIH (TWA): None

Respiratory Protection: Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

Skin Protection: Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical Impervious gloves.

Eye Protection: Wear face shield with safety glasses with side shields and/or safety goggles.

Other Protective Information: Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear pale yellow (or greenish) liquid	Odor:	Pungent, chlorine odor
Physical State:	Liquid	Solubility:	Complete
Odor Threshold:	0.9 mg/m ³	Percent Volatile:	No data available
Spec Grav./Density:	1.20 - 1.40	Freezing/Melting Pt.:	7 F (-13.9 C)
Viscosity:	No data available	Flash Point:	No data available
Boiling Point:	Decomposes above 230 F (110 C)	Vapor Density:	No data available
Flammability:	Non-flammable	VOC:	No data available
Vapor Pressure:	17.5 (at 20 C)	Auto-Ignition Temp:	No data available
pH:	12 - 13	UFL/LFL:	No data available
Evap. Rate:	No data available		

10 STABILITY AND REACTIVITY

Reactivity:	Hazardous reactions are unlikely to occur under normal circumstances.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Contact with incompatible materials. Acid contact will produce chlorine gas.
Materials to Avoid:	Any acidic material, ammonia, urea, oxidizers, organics and metals such as nickel, copper, tin, aluminum and iron.
Hazardous Decomposition:	Oxides of carbon.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

LD50 oral rat: 5000 mg/kg

LD50 dermal rat: 10,000 mg/kg

LC50 inhalation rat: 10.50 mg/l

Acute toxicity (mouth): Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

Acute toxicity (skin): Harmful in contact with skin.

Acute toxicity (inhalation): Vapors and spray mist may irritate throat and respiratory system and cause coughing.

Skin & Eye Corrosion/Irritation: Causes severe skin and eye damage.

Sensation: Not classified

Chronic Toxicity: Not classified

Carcinogenicity: Not classified

Mutagenicity: Not classified

Teratogenicity: Not classified

Specific target organ systemic toxicity (single exposure): May cause respiratory irritation.

Chronic Effects: Not expected to present a significant hazard under anticipated conditions of normal use.

12 ECOLOGICAL INFORMATION

Toxicity:

LC50 fish (96h): 0.08 mg/l

Persistence and degradability: Not established

Bioaccumulative potential: Not established

13 DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made

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under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet, advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

The waste determination should be made in discussion between the user and the waste disposal company.

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14 TRANSPORT INFORMATION

UN1791, Hypochlorite solutions, 8, PGIII

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

RQ(100LBS), Sodium hypochlorite (7681-52-9) [10%] CERCLA, CSWHS, MASS, PA, TSCA

Regulatory CODE Descriptions

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act

16 OTHER INFORMATION

EPA Registration Number: 813-16-86520

The submission of this SDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health. The information contained herein has been compiled from sources considered by Turner Mfg. to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or process. Turner Mfg. makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling and disposal of the product. Turner Mfg. assumes no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled products.