

Safety Data Sheet

Section 1. Chemical Product and Company Identification



Product Name: PUROX Bleach
Product Use: Cleans and Whitens

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Section 2. Hazard(s) Identification

GHS CLASSIFICATIONS

Health:

Skin Corrosion Irritation, Category 1
Serious Eye Damage/Eye Irritation, Category 1
Hazards to the Aquatic Environment, Category 2

SIGNAL WORD: DANGER

HAZARD STATEMENTS

Causes serious skin burns and eye damage.
Toxic to Aquatic Life

PRECAUTIONARY STATEMENTS

Avoid breathing mist, spray, fume. wear protective gloves and clothing, eye and face protection. wash skin thoroughly after handling.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or physician.

IF ON SKIN: Remove immediately all contaminated clothing and rinse skin with plenty of water before reuse. If skin rash or irritation occur, get medical attention.

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

IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

STORAGE: Store locked up.

DISPOSAL: Dispose of contents/container to an approved waste disposal plant.

GHS LABEL



Section 3. Composition / Information on Ingredients

CHEMICAL NAME	Wt. %	CAS
Sodium Hypochlorite	3.0	7681-52-9

COMMENTS: NA - Not Applicable

Section 4. First Aid Measures

IN CASE OF EYES CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

IN CASE OF SKIN CONTACT: Immediately flush with large quantities of lukewarm water for at least 15 minutes while removing contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

IF INGESTED: Aspiration hazard. If swallowed DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

IF INHALED: If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

Section 5. Fire Fighting Measures

- Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media:** None known.
- Specific hazard during fire fighting:** Fire hazard. Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- Hazardous combustion products:** Carbon oxides
- Special protective equipment for fire-fighters:** Use personal protective equipment.
- Specific extinguishing methods:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Section 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation. Remove all sources of ignition. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. An appropriated certified respirator must be used when workers are facing concentrations above the exposure limit. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed on sections 7 and 8.
- Environmental precautions:** Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up.** Eliminate ignition sources and leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, vermiculite, diatomaceous earth) and place in container for disposal according to local and national regulations (see Section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section 7. Handling and Storage

HANDLING: Avoid contact with eyes, skin and on clothing. Use in a well-ventilated area. Avoid inhalation of vapors and mists. Do not ingest. Do not breathe dust/fume/mist/vapor/spray. Wash hands thoroughly after handling. Avoid static electricity discharge (which may cause ignition of organic vapors).

STORAGE: Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials and food and drink. Keep out of reach of children.

STORAGE TEMPERATURE: 4.4°C (40°F) Minimum to 49°C (120°F) Maximum.

Notes: Store in a cool place below 120°F (49°C).

Section 8. Exposure Controls / Personal Protection

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Sodium Hypochlorite	TWA	1	8Hrs.	0.5	8Hrs.	NL	NL
	STEL					NL	NL

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Wear safety glasses with side shields. Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent are recommended).

SKIN: Wear protective clothing including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse.

RESPIRATORY: Good general ventilation should be sufficient to control airborne levels.

OTHER USE PRECAUTIONS:



Section 9. Physical and Chemical Properties

PHYSICAL STATE: Liquid

ODOR: Bleach like odor

APPEARANCE: Clear liquid.

COLOR: Light Yellow

pH: 11.5 - 13.0

ODOR THRESHOLD: No data available

PERCENT VOLATILE: NA=NotApplicable

WATER SOLUBILITY: Soluble

FLASH POINT AND METHOD: >93°C (199.9°F)

MELTING/FREEZING POINT: No data available.

FLAMMABLE LIMITS: No data available

VAPOR PRESSURE: No data available

VAPOR DENSITY: No data available

BOILING POINT: to 98.9°C (210°F)

SPECIFIC GRAVITY: 1.017

(VOC): Not Established

Section 10. Stability and Reactivity

STABLE: Under normal conditions

HAZARDOUS POLYMERIZATION: No

INCOMPATIBLE MATERIALS: Highly reactive or incompatible with the following materials: acids. Mixing this product with acids or ammonia release chlorine gas. Reactive or incompatible with the following materials: metals. Slightly reactive or incompatible with the following materials: organic materials.

Section 11. Toxicological Information

ACUTE

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Sodium Hypochlorite	52,301 mg/kg (Rat)	> 10,000 mg/Kg (Rabbit)	

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: this material is toxic to aquatic life. Harmful to aquatic life with long lasting effects.

TERATOGENIC EFFECTS: No known significant effects or critical hazards

CARCINOGENICITY: No known significant effects or critical hazards.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

MUTAGENICITY: No known significant effects or critical hazards.

Section 12. Ecological Information

ENVIRONMENTAL DATA: No known significant effects or critical hazards.

AQUATIC TOXICITY (ACUTE):

Aquatic Ecotoxicity

Product/Ingredient Name	Test	Result	Species	Exposure
Sodium Hypochlorite		Acute EC50 40 mg/L Fresh Water	Daphnia	48 Hours

Section 13. Disposal Considerations

DISPOSAL METHOD: Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: D002

Classification: Hazardous waste

Origin: (RCRA WASTE)

Section 14. Transport Information

DOT (DEPARTMENT OF TRANSPORTATION)

DOT: Not regulated. Classified as non-hazardous.

Section 15. Regulatory Information

UNITED STATES

FSARA TITLE III (SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: ProductName

No products were found

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CaA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

OTHER CONSIDERATIONS: NA = Not Applicable

EXPLOSION HAZARADS: NA = Not Applicable

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus operated in pressure-demand mode, (NIOSH approved or equivalent) and full protective gear.

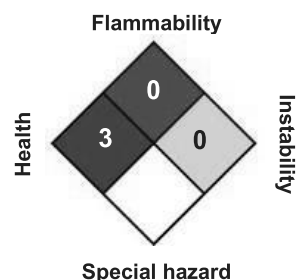
Section 16. Other Information

HMIS III RATING:

HEALTH	*	3
FLAMMABILITY		0
REACTIVITY		0

0 = Not significant
1 = Slight
2 = Moderate
3 = High
4 = Extreme
* = Chronic

NFPA CODES:



NOTICE TO READER: To the best of our knowledge, the information contained herein is accurate with respect to the formula used to manufacture this product. However, neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.