

Purex

MATERIAL SAFETY DATA SHEET
COMPLIES WITH OSHA HCS 29 CFR 1910.1200 AND OSHA 174

MSDS# C-103 Revision # 6

PRODUCT NAME (AS USED ON LABEL): LIQUID BLEACH - HOUSEHOLD-5 1/4%
(BRANDED AND PRIVATE LABEL)

ALTERNATE PRODUCT NAME: HYPOCHLORITE SOLUTION OF SODIUM

EMERGENCY TELEPHONE NUMBER: (602) 253-3334

SECTION I

MANUFACTURER/DISTRIBUTOR: THE DIAL CORPORATION
111 WEST CLARENDON AVE.
PHOENIX, AZ 85077

TELEPHONE NUMBER FOR GENERAL INFORMATION: (602) 991-3000

SECTION II-HAZARDOUS INGREDIENTS

Finished Product:	OSHA (PEL)-N/A	ACGIH (TLV)-N/A
Hazardous Components:		
Chemical/Common Name	CAS Number	PEL/TLV-Source
Sodium Hypochlorite	7681-52-9	1 ppm (Chlorine Gas) / 1 ppm (Chlorine Gas)

SECTION III-PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 217°F	Melting Point: N/A
Vapor Density (Air=1): 19.2	Freezing Point: 12°F
Specific Gravity (Water=1): 1.082	pH: 12.4
Vapor Pressure (mm Hg.): 16	Evaporation Rate (*=1): N/A
Volatiles by Weight (%): 90	*Butyl Acetate
Solubility in Water: Complete	
Appearance/Odor: Pale yellow liquid with fragranced or typical liquid bleach odor.	

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F)/Method Used: N/A

Flammable Limits (LEL/UEL): Nonflammable solution

Extinguishing Media: Use water in flooding quantities as fog.

Special Fire Fighting Procedures: Wear NIOSH-approved self-contained breathing apparatus for chlorine gas vapors. Cool fire-exposed containers with water spray.

Unusual Fire and Explosion Hazards: Bleach decomposes when heated to high temperatures and containers may rupture.

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SECTION V-REACTIVITY DATA

Stability: Unstable
Conditions to Avoid: Heat
Chemical Incompatibility: Acids, ammonia, organic compounds, heavy metals and salts thereof, and oxidizing or reducing compounds.
Hazardous Decomposition Products: Chlorine, chlorine dioxide, chloramines. Decomposition products may cause containers to rupture.
Hazardous Polymerization: Will Not Occur

SECTION VI-HEALTH HAZARD DATA

Route of Entry: Inhalation-Likely Skin-Likely Ingestion-Unlikely
Health Hazards (Acute and Chronic) for Product:
Acute - Depending on solution concentration, material may be corrosive to skin, mucous membranes and eyes and vapors may cause respiratory irritation.
Chronic - May cause damage or injury to eyes, skin and respiratory organs.

Carcinogenicity*: NTP ND IARC Monographs ND OSHA Regulated ND

*Not determined for product or hazardous ingredients contained therein.

Effects of Overexposure to Product:
Inhalation - Inhalation of vapors may cause bronchial irritation, coughing, difficult breathing, pulmonary edema.
Ingestion - If swallowed, may cause burning sensation and corrosion of mucous membranes, esophageal or gastric perforation, laryngeal edema, vomiting, nausea.
Skin - Skin contact may result in blistering and eczema.
Eyes - Accidental eye contact with liquid or vapors may produce moderate to severe irritation.
Medical Conditions Generally Aggravated by Exposure: None known.

SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:

Eye Protection - Avoid splashing into eyes. Wear splash-proof, chemical resistant safety goggles.
Skin Protection - Avoid repeated or prolonged skin contact. Wear protective clothing including rubber gloves, rubber boots and face shield.
Respiratory Protection - Avoid inhalation of fumes. Stay upwind of spill. Wear NIOSH-approved respiratory protection.
Handling: Use normal procedures for handling caustic substances.
Storage: Store in a cool, dark place away from heat and light and combustible materials. Store below 90 degrees F. Keep containers well closed. Provide adequate ventilation.
Normal Clean Up: Dilute with copious amounts of water and then mop up.
Waste Disposal: Flush with water to sewer in accordance with federal, state and local environmental regulations.

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SECTION VIII-FIRST AID & MEDICAL EMERGENCY PROCEDURES

Eyes: Flush eyes thoroughly with running water for at least 15 minutes. Get prompt medical attention.
Skin: Rinse thoroughly with running water. If irritation persists, contact physician or local poison control center.
Inhalation: If effects occur, remove victim to fresh air. Provide symptomatic care and support respiration. Get prompt medical attention.
Ingestion: Immediately give large quantities of water or milk to dilute. Do not induce vomiting. Get prompt medical attention.
Other: Remove all contaminated clothing and/or shoes.

SECTION IX-CONTROL MEASURES-OCCUPATIONAL

Respiratory Protection (Specify Type): None required.
Ventilation: Maintain adequate ventilation.
Local Exhaust- Maintain adequate ventilation.
Mechanical (General)- N/A
Special- N/A
Protective Gloves: Rubber
Eye Protection: Splash-proof, chemical resistant safety goggles.
Other Protective Clothing or Equipment: Uniforms, coveralls or labcoats, chemical resistant footwear.
Work/Hygienic Practices: Provide eye bath and emergency shower. Launder soiled work clothing before re-use.

SECTION X-ENVIRONMENTAL IMPACT

Applicable Regulations: 16 CFR 1500 (CPSC)
DOT/EPA Hazard Class: N/A
Shipping Name: See product name.

EPA - SARA Title III Section 313: Toxic chemical - no

NOTE: N/A=Not Applicable ND= Not Determined NL=Not Listed
NIF=No Information Found NE=None Established

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Date Prepared: 01-12-90
Change: Added alternate product name.
End of MSDS