

# MATERIAL SAFETY DATA SHEET

## SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

**PRODUCT NAME:** BLOCK WHITENER  
**PRODUCT NUMBER:** 00357FS  
**PRODUCT USE:** Cleaner and degreaser

**PRODUCT I.D. NUMBER (PIN):** 1719  
**WHMIS CLASS:** E; D2B  
**DOT HAZARD CLASS:** Corrosive Material

**COMPANY:**  
Essential Industries, Inc.  
P.O. Box 12  
Merton, WI 53056-0012

**DOT SHIPPING NAME:**  
Caustic Alkali Liquid, N.O.S.  
(Sodium hypochlorite)  
8, UN1719, PGIII

**EMERGENCY PHONE:** 800-843-6174

H.M.I.S.

		HAZARD RATING
3	HEALTH	4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
0	FIRE	
2	REACTIVITY	
C	MAXIMUM PERSONAL PROTECTION	

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. - Not Applicable N.E. = Not Established N.D. = Not Determined

## SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
Water	7732-18-5	40-70	N.E.	N.E.	N.D.	N.D.
Sodium hypochlorite	7681-52-9	5-10	1.5ppm	1.5ppm	13g/kg	N.D.
Surfactants	N.A.	1-5	N.E.	N.E.	N.D.	N.D.

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

## SECTION 3 - PHYSICAL DATA

**Color:** Amber **Boiling Point:** 100°C (212°F) **Vapor Pressure:** <30 mm of Hg **pH:** 11.7 - 12.7  
**Odor:** Chlorine **Freezing Point:** 0°C (32°F) **Vapor Density (Air=1):** <1 **1% pH:** 9.0  
**Physical State:** Liquid **Water/Oil Distribution:** N.E. **Evaporation Rate (Water=1):** N.E. **Specific Gravity:** 1.08 gm/ml  
**Solubility in Water:** Complete **Odor Threshold:** N.E. **VOC Content:** 0.0% **Weight per Gallon:** 9.03 lbs./gal.

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point and Method:** N.A. **Autoignition Temperature:** N.A. **Extinguishing Media:** Use dry chemical or CO2.  
**Flammable Limits:** N.A. **LEL:** N.A. **UEL:** N.A. **Special Fire Fighting Procedures:** Use proper protective equipment.  
**Hazardous Combustion Products:** N.A. **Unusual Fire and Explosion Hazards:** Chlorine containing gases can be released.

## SECTION 5 - REACTIVITY DATA

**Chemical Stability:** Stable. **Hazardous decomposition of By-Products:** Chlorine gas.  
**Incompatibility (Materials to Avoid):** Ammonia, organic materials and acids. Reacts with acids to release poisonous chlorine gas. **Hazardous Polymerization:** Will not occur.

## SECTION 6 - TOXICOLOGICAL PROPERTIES

**Routes of Entry:** Ingestion. Inhalation. Skin contact. Eye contact. **Toxicologically Synergistic Products:** None known.  
**Sensitization:** No. **Medical Conditions Aggravated by Exposure:** None known.  
**EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):**  
**Eyes:** May cause severe irritation, redness, burns and possible corneal injury.  
**Skin:** May cause severe irritation, redness, burns.  
**Ingestion:** May cause severe irritation or burning of gastrointestinal tract and possible mucosal injury.  
**Inhalation:** May irritate respiratory tract when used with inadequate ventilation.  
**Carcinogenic Effects:** NO carcinogenic effect.  
**Mutagenic Effects:** NO mutagenic effect.  
**Teratogenic Effects:** NO teratogenic effect.  
**Reproductive Toxicity:** NO reproductive toxicity effect.

## SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** None normally required with adequate ventilation. **Ventilation:** Local Exhaust: Acceptable Mechanical: Recommended  
**Protective Gloves:** Rubber/Neoprene. **Eye Protection:** Chemical splash goggles.  
**Protective Clothing and Equipment:** Full cover clothing - rubber apron. **Work and Hygienic Practices:** Wash thoroughly after handling.  
**Storage Requirements:** Store in cool, dry area. Follow good housekeeping practices. **Other Requirements:** Keep out of reach of children.

**Steps to be Taken if Material is Spilled or Released:** Collect and reuse if possible. Dilute and flush to sewer with large quantities of water if permitted by regulatory authorities or absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.  
**Waste Disposal:** Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

## SECTION 8 - EMERGENCY FIRST AID PROCEDURES

**FIRST AID - NOTES TO PHYSICIAN:**  
**Eyes:** Flush with a large amount of water for 30 minutes holding eyelids open. Seek medical attention.  
**Skin:** Remove contaminated clothing and footwear. Flood/shower with water for 30 minutes.  
**Ingestion:** Rinse mouth with water. Give 2-3 large glasses of water. Seek medical attention.  
**Inhalation:** Remove to fresh air and rest. In all cases if symptoms persist, seek medical attention.  
**Note to Physician:** No additional information.

## SECTION 9 - PREPARATION INFORMATION

**Prepared By:** Regulatory Affairs Department

**Phone:** 262-538-1122

**Date of Preparation:** January, 2002