

Material Safety Data Sheet

Date last revised 5/27/93

I. General Information

Chemical Name & Synonyms Bleach, Sodium Hypochlorite 5.25%	Trade Name & Synonyms Household Bleach Savadax
Chemical Family Hypochlorites; Inorganic Salt	Formula NaOCl Solution; Cl-H-O-Na
Proper DOT Shipping Name Hypochlorite Solution less than 7% by weight	DOT Hazard Classification ORM-B NA1791
Manufacturer Barton Chemical Corporation	Manufacturer's Phone Number 312/767-4140
Manufacturer's Address 3301 S. Cicero Ave., Chicago, IL 60632	Chemtrec Phone Number 800/424-9300

II. Ingredients

Principal Hazardous Components	Percent	Threshold Limit Value (units)
Sodium Hypochlorite	5.25	None Established
CAS #7681-52-9		By OSHA, ACGIH, or NIOSH
Water	94.75	None

III. Physical Data

Boiling Point (°F) Decomposes prior to boiling 212°F	Specific Gravity (H ₂ O = 1) 1.077
Vapor Pressure (mm Hg.) 14mm Hg.	Percent Volatile By Volume (%) 100%
Vapor Density (Air = 1)	Evaporation Rate (ether = 1) 1
Solubility in Water 100%	pH 10-12

Appearance & Odor Yellowish clear liquid with bleach or chlorine odor.

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) Non-Flammable	Auto Ignition Temperature None
Flammable Limits None	LEL None UEL None
Extinguishing Media Dry chemical, carbon dioxide, water spray or foam.	
Special Fire Fighting Procedures Move containers from fire or use water spray to cool.	
To avoid rupture - use self contained breathing apparatus.	
Unusual Fire & Explosion Hazards Cool containers and avoid corrosive vapors.	

V. Health Hazard Data

OSHA Permissible Exposure Limit	None established	ACGIH Threshold Limit Value	None established
Carcinogen - NTP Program	None established	Carcinogen - IARC Program	None established

Symptoms of Exposure Corrosive acute exposure may cause severe bronchial irritation, sore throat, redness or blistering pain or chemical burn.

Medical Conditions Aggravated By Exposure High concentrations of vapors or mists may aggravate heart conditions or chronic respiratory problems, under normal consumer use, any adverse health effects are low.

Primary Route(s) of Entry Thru skin or vapors to mucous membranes

Emergency First Aid Wash skin and eyes with water, remove any contaminated clothing. If swallowed - drink water or milk and call physician immediately.

VI. Reactivity Data

Stability	<input checked="" type="checkbox"/> Unstable <input type="checkbox"/> Stable	Conditions To Avoid	Elevated temperatures
Incompatibility:		Materials To Avoid	Acids, ammonia or household cleaners Iron, brass, copper
Hazardous Polymerization	<input checked="" type="checkbox"/> May Occur <input type="checkbox"/> Will Not Occur	Conditions To Avoid	Avoid breathing vapors
Hazardous Decomposition Product		Chlorine Gas	

VII. Environmental Protection Procedures

Spill Response Small amounts less than 5 gal dilute with water and flush down drains.

Waste Disposal Method Large amounts should be absorbed and disposed of in accordance with local, state and federal regulations.

VIII. Special Protection Information

Eye Protection Safety glasses	Skin Protection Rubber gloves, skin covering
Respiratory Protection (Specific Type) Acid-gases cartridges NIOSH approved	Ventilation Recommended Mechanical

Other Protection The above precautions are not required for ordinary household use.

IX. Special Precautions

Hygienic Practices in Handling & Storage Keep out of reach of children. Do not get in eyes or on skin, wash thoroughly with soap and water after handling.

Precautions For Repair & Maintenance Of Contaminated Equipment Rinse thoroughly from any exposed metal surfaces. Can cause pitting, corrosion and discoloration of exposed surfaces.

Other Precautions See reactivity section.