Sodium Hypochlorite Data Sheet

I. GENERAL INFORMATION

CHEMICAL NAME AND FORMULA

Sodium Hypochlorite - NaOCl

CHEMICAL FAMILY

Sodium Salt of Hypochlorous Acid

C & S Products Trade Names

Des Moines Cleanser Bleach

TRADE NAMES Des Moines Cleanser Bleach

Des Moines Cleanser *: EPA REG. No. 2985-1

Potable water, swimming pool, sewer plant effluent and industrial wastewater disinfection; cyanide destruction; dairy, poultry and meat plant, restaurant and hospital sanitation; industrial bleaching; chemical process [illegible]

II. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid	CONCENTRATION (2)	125 G/L Available Chlorine 8 G/L Excess Caustic	pH	11.5
				SPECIFIC GRAVITY	1.175
COLOR	Clear Yellow				
ODOR	Strong Bleach Odor	SOLUBILITY	Completely Soluble	VAPOR PRESSURE	@ 70° F 22 mm HG
FLASH POINT	None	FREEZE POINT	−20° F	VAPOR DENSITY	1
CRITICAL TEMP.	120° F	REACTIVITY	Strong Oxidizer	EVAPORATION RATE	Not Applicable

III. CHEMICAL REACTIVITY DATA

Stability increases with decreasing concentration. Do not store in unvented containers or in heated areas or in direct sunlight. Avoid mixing with all acids, acid salts, ammonia and many organic chemicals such as formaldehyde since a violent or explosive reaction can result and chlorine gas may be emitted. Store in cool dark areas in approved polyethelene, fiberglass, rubber-lined or glass containers.

IV. HEALTH HAZARDS

Sodium Hypochlorite is a strong alkaline salt and oxidizing agent. Prolonged contact with skin or eyes will cause severe tissue destruction and swallowing may result in serious injury.

First Aid - External	In case of contact with skin and eyes, flush with plenty of water.
Internal	Drink mucilage, raw egg white, milk or rice gruel. Follow with tablespoon of mustard in glass of warm water. Call a physician immediatly.
Personal Protective Equipment	Local exhaust fan, eye wash fountain and safety shower are recommended in areas where sodium hypochlorite is stored, used or handled. Eye goggles, rubber gloves and apron should be worn when handling this product.

V. SPECIAL PRECAUTIONS.

Spills and Leaks	Flush thoroughly with water. Remove contaminated cardboard, paper or other natural fiber item to disposal area.
Waste Disposal:	May be flushed to sewer system with plenty of water. Be sure that all federal, state and local pollution control regulations are followed.