



12.5% Sodium Hypochlorite Solutions

Corporate Headquarters: Hasa Inc.
 23119 Drayton Street
 Saugus, California 91350
 Telephone • 661.259.5848
 Fax • 661.259.1538

PRODUCT SPECIFICATION	
Common Chemical Name	Bleach, Bleach Solution, Sodium Hypochlorite, Liquid Chlorinator
Hasa Brand Names	Multi-Chlor, Sani-Chlor, Hasachlor, 12.5% NaOCl, Hasa Bleach
Empirical Chemical Formula	NaOCl
CAS Registry Number:	7681-52-9
Chemical Family	Inorganic Halogen Compound

Chemical Composition (percent by weight):	Minimum	Maximum
Sodium Hypochlorite	12.50	15.60
Sodium Chloride	10.00	12.50
Sodium Hydroxide	0.1	2.0
Sodium Carbonate	0.00	0.5
Inorganic Salts of Iron	0.00	0.5 mg/L (0.5 PPM)
Inorganic Salts of Copper	0.00	0.05 mg/L (0.05 PPM)
Inorganic Salts of Nickel	0.00	0.05 mg/L (0.05 PPM)

PHYSICAL AND CHEMICAL PROPERTIES			
Vapor Pressure:	12.1 mm Hg at 20°C (68°F)	Flash Point:	Not Applicable
Weight per Gallon	10.0 ± 0.1 pounds	pH:	12.0 ± 0.5 (typical)
Density (liquid)	1.20 @ 20°C(68°F)	Odor:	Slight bleach
Density (solid)	Not Applicable	Boiling Point:	Decomposes
Melting Point	Not Applicable	Freezing Point:	-19.4°C (-3°F)
Physical State:	Liquid Solution	Color:	Straw Yellow
Solubility in Water:	Complete	Stability:	Stable

Certified to ANSI/NSF 60, *Drinking Water Treatment Additives Standard*
 Maximum use level (MUL) - 84mg/L
 UL No. MH25204 (Eloy, AZ) NSF Certificate Nos. OA681-01 (Pittsburg, CA), OA682-01 (Saugus, California),
 OA683-01 (Longview, WA)