

ETOWAH CHEMICAL
SALES & SERVICE
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N. F. P. A.
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

HEALTH	2
FIRE	0
REACTIVITY	1
PERSONAL PROTECTION	D

Material Safety Data Sheet

24 Hour Emergency Telephone Number: (800) 535-5053

SECTION I - IDENTIFICATION

Product Name	SODIUM HYPOCHLORITE SOLUTION (BLEACH)	Date last Revised	AUG 2009
Chemical Family	LIQUID BLEACH, SODA BLEACH, OXIDIZING AGENT	Item Number	
Proper D.O.T. Shipping Name	HYPOCHLORITE SOLUTION, CORROSIVE MATERIAL		
D.O.T. Hazard Classification	8, UN 1791, PG III		

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

% By Weight	Material	PEL	T. L. V.	C. A. S. No.
10-16	SODIUM HYPOCHLORITE	NONE	NONE	7681-52-9
Balance non-hazardous ingredients				

SECTION III - PHYSICAL DATA

Boiling Point	215 F	pH (Conc.)	ABOVE 13.5
Solubility In Water	COMPLETE	pH (Use Dilution)	12.3
% Volatility By Weight	<70	Evaporation Rate	NA
Specific Gravity	1.085	Physical Form	LIQUID
Appearance And Odor	GREEN LIQUID, SLIGHT SURFACTANT ODOR		

SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY

Flash Point	NONE
Extinguishing Media	N/A
Flammable Limits	N/A
Special Fire Fighting Procedures	WEAR SELF-CONTAINED BREATHING APPARATUS OPERATED IN PRESSURE DEMAND MODE.
Unusual Fire and Explosion Hazards	In contact with ammonia, acids, oxidizing agents, reducing agent or combustible materials such as wood or organic materials or iron, copper, magnesium, aluminum, zinc, chromium hazardous chlorine gases can result.

SECTION V - REACTIVITY DATA

Stability	STABLE
Conditions to Avoid	EXTREME HEAT
Incompatibility	Ammonia, acids, oxidizing agents, combustible or organic
Hazardous Decomposition Products	Chlorine, Hydrogen chloride, Oxygen, Sodium chlorate
Hazardous Polymerization	WILL NOT OCCUR

SECTION VI - HEALTH HAZARD			
Routes(s) of Entry	Inhalation? YES	Skin? YES	Ingestion? NO
Health Hazards (Acute and Chronic)	Eyes: can cause redness and severe burns. Skin: can cause severe irritation and redness. Ingestion: causes burns of gastro-intestinal tract. Causes Severe abdominal pain, nausea, vomiting, circulatory collapse. Swallowing large quantities can cause death. Inhalation: excessive inhalation can cause nasal and respiratory irritation.		
Carcinogenicity	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
Emergency Aid and First Aid Procedures	Eyes: flush with water for 15 minutes. If eye damage occurs, consult an ophthalmologist. Skin: flush with water constantly for 15 minutes. Remove contaminated clothing. Inhalation: remove to fresh air. If breathing is difficult administer oxygen or artificial respiration. Ingestion: do not induce vomiting dilute with water or milk. Call a physician. Never give anything by mouth to an unconscious person.		
SECTION VII - SPILL OR LEAK PROCEDURES			
	Clean-up workers must use eye protection, rubber gloves, rubber boots, and a full face respirator equipped with acid gases/mists filters. For small spills or drips, mop or wipe up and dispose of in a DOT-approved waste containers. For large spills, contain by diking with soil or other non-combustible absorbent material and carefully dilute with dilute sodium bisulfite. Keep non-neutralized material out of sewers, storm drains.		
	WASTE DISPOSAL METHOD Dispose of contaminated product and materials used in cleaning up spills or leaks. Consult appropriate federal, state and local regulatory agencies for proper disposal procedures.		
SECTION VIII - SPECIAL PROTECTION INFORMATION			
Eye Protection	WEAR SAFETY GLASSES AND FACE SHIELD.		
Skin Protection	NEOPRENE GLOVES.		
Ventilation	NORMAL ROOM VENTILATION.		
Respiratory Protection	NONE REQUIRED IN NORMAL CONDITIONS. WHEN EXCESSIVE MISTS ARE GENERATED ABOVE TLV'S USE A RESPIRATOR.		
Other Protection	RUBBER BOOTS AND RUBBER APRONS WHEN HANDLING.		
SECTION IX - SPECIAL PRECAUTIONS			
Precautions in Handling and Storage	Store in original containers only at temperatures below 85 degrees Fahrenheit. Do not store near acids, oxidizing materials, or organic. Do not store on wooden floors.		
Other Precautions	This product degrades with age. Use it within one month of purchase. Keep container tightly closed and vented when not in use.		
PREPARED BY: David Brunton, Chemist			
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