

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Date Prepared: 3/1/2007

Code: 6161

SECTION 1 - PRODUCT IDENTIFICATION

Distributor Custom Solutions	Emergency Phone 800.309.5869
Address 900 East 103rd Street, Chicago, IL 60628	For health and safety information on this product contact the National Pesticide Information Center at 1-800-858-7378.
Trade Name Breakthru	Product Type Disinfectant/Cleaner/Sanitizer

SECTION 2 - INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	WT. %(opt)	TLV(Source)	TITLE III, SECT. 313
Tetrapotassium Pyrophosphate	7320-34-5	5-10%	None Established	No
Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	0.80%	None Established	No
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956-79-6	0.80%	None Established	No
Sodium Metasilicate	6834-92-0	1-5%	None Established	No

SECTION 3 - PHYSICAL DATA

Boiling point (°F.)	Specific Gravity (H2O=1.0)	1.07 ± 0.005	pH	13.3 ± 0.5
Vapor Pressure (mm Hg)	Not Determined	Vapor Density (Air=1)	Not Determined	
Solubility in water	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble	<input type="checkbox"/> Emulsifiable (or Dispersible)	<input type="checkbox"/> Slight (or Partial)	
Evaporation Rate (vs. H2O)	<input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same	Appearance and Odor Clear, red colored liquid with mild characteristic odor		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	°F. <input checked="" type="checkbox"/> None to Boiling	Flammable Limits	N/A	Upper Lower
Extinguishing Media	Product is noncombustible. Water Spray (Fog), Dry Chemical, CO2, or Foam may be used where product is stored.			
Special Firefighting Procedures	Do not enter confined fire-spaces without protective clothing and self-contained air supply.			
Unusual Fire and Explosion Hazards	None			

SECTION 5 - REACTIVITY DATA

Stability	Stable	Incompatibility	Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach).
Hazardous Decomposition Products	Burning may produce oxides of carbon and other substances.		

SECTION 6 - HEALTH HAZARD DATA

Primary Routes of Exposure	<input checked="" type="checkbox"/> Eye	<input checked="" type="checkbox"/> Skin	<input checked="" type="checkbox"/> Oral	<input type="checkbox"/> Inhalation	<input type="checkbox"/> Other
Signs and Symptoms Of Overexposure (Acute)	Danger. Can cause eye and skin damage. Contact with eyes may cause severe irritation and pain with marked redness and possible damage. Prolonged or repeated skin exposure may cause irritation, reddening and possible damage. Ingestion may cause severe irritation or burns of mouth, throat and stomach with nausea and vomiting				
Signs and Symptoms of Overexposure (Chronic)	None currently known				
Medical Conditions Aggravated by Overexposure	An existing dermatitis.				
Carcinogen or Suspect Carcinogen Ingredients	<input type="checkbox"/> NTP	<input type="checkbox"/> IARC	<input type="checkbox"/> OSHA	<input checked="" type="checkbox"/> NONE	

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes	Flush eyes with water for at least 15 minutes and call a physician immediately.
Skin	Wash affected areas with large amounts of soap and water. If irritation persists call physician.
Ingestion	Do NOT induce vomiting. Promptly drink allot of egg whites or gelatin solution. If unavailable, drink water. Contact physician immediately.
Inhalation	Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	Not required under normal use conditions with good general ventilation. Protect against generated mists/sprayback.	
Ventilation Requirements	Normal <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other	Eye Protection Goggles or Face Shield
Protective Gloves Rubber	Other Protective Clothing Protective clothing appropriate to minimize contact during specific operations.	

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps To Be Taken If Released or	Do not touch or walk through spilled material. Stop leak if you can do it without risk. Dike ahead of large spills to prevent run off. Mop, pump or take up with sand or other inert absorbent & reclaim into containers for reuse, recycle or proper disposal
Waste Disposal Methods	Dispose of in an approved waste facility according to Federal, State and local regulations.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken In Handling and Storage	Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container-triple rinse & offer for reconditioning or proper disposal. See product label for complete storage and disposal instructions. Remove contaminated clothing&laundry before reuse.
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Prepared By: LPL

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMIS
HAZARD
RATING

HEALTH	2	
FLAMMABILITY	0	
REACTIVITY	0	
PERSONAL PROTECTION	X	

0 - LEAST
1 - SLIGHT
2 - MODERATE
3 - HIGH
4 - EXTREME