

MATERIAL SAFETY DATA SHEET
(Prepared According to 29 CFR 1910.1200)

Date Prepared: 11/01/2004

Code:9210

SECTION 1 - PRODUCT IDENTIFICATION				
Distributor: Custom Solutions		Emergency Phone: 800.309.5869		
Address: 900 East 103rd Street, Chicago, IL 60628		Prepared By: LPL		
Trade Name: Foodservice Cold Clean Plus		Product Type: Low Temp. Freezer Cleaner		
SECTION 2 - INGREDIENTS				
CHEMICAL NAME/COMMON NAME	CAS NO.	WT. %(opt)	TLV(Source)	TITLE III, SECT. 313
Ethylene Glycol (Section 313)	107-21-1	55-65%	50ppm / 125 mg/M3	
Tetrasodium E.D.T.A.	64-02-8	<5%	None Established	
Ethanolamine	141-43-5	<5%	3ppm (TWA);6ppm(STEL)	
SECTION 3 - PHYSICAL DATA				
Boiling point (°F.) 212 (IBP)	Specific Gravity (H2O=1.0) 1.1 ± 0.005		pH 11.9 ± 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 checked="" type="checkbox"/> Slower <input type="checkbox"/> About the Same		Appearance and Odor Blue-colored liquid with no distinct 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 non-combustible. 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 type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other				
Signs and Symptoms Of Overexposure (Acute) Ingestion may cause abdominal discomfort of pain, nausea, vomiting and central nervous system effects including irregular eye movement and perhaps convulsions. Ingestion of significant amount may cause cardiac failure and pulmonary edema or to be fatal. Inhalation of mists may cause similar symptoms. Contact with skin or eyes may cause transitory irritation.				
Signs and Symptoms of Overexposure (Chronic) Ingestion of large amounts of Ethylene Glycol has been shown to produce kidney damage and birth defects based on animal data.				
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 If conscious give 2 glasses of water and induce vomiting. Call a physician immediately. Early administration of ethanol may counter toxic effects of ethylene glycol				
Inhalation Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.				
SECTION 8 - SPECIAL PROTECTION INFORMATION				
Respiratory Protection If TLV of component is exceeded (mists) wear a NIOSH approved face mask with organic vapor cartridge & mist prefilter. Use local ventilation if used at elevated temperatures				
Ventilation Requirements Normal <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical <input type="checkbox"/> Other		Eye Protection Safety Glasses/Goggles		
Protective Gloves Rubber/PVC		Other Protective Clothing Impervious protective clothing appropriate to minimize contact(ie:boots, apron,faceshield) depending on operation.		
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 get in eyes, on skin or clothing. Do not breathe mist from spray. Wash thoroughly after handling. Ingestion of large amounts (150 ml or greater) could be fatal.				

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