

# Material Safety Data Sheet

Hazard Rating:	NFPA	CODE TRANSLATION
Health:	1	0 = Minimal Hazard
Flammability:	0	1 = Slight Hazard
Reactivity:	1	2 = Moderate Hazard
Special:		3 = Severe Hazard
		4 = Extreme Hazard

## CLEANER 3112

### SECTION I: IDENTIFICATION

Effective Date: 6/07/99

Revised: JULY 31, 2003

Name and Address:

Phone:

Emergency Phone SENTRY: (973) 616-9000

CHEMTREC: (800) 424-9300

Chemical Name: NOT APPLICABLE (N.A.)

Formula: SEE SECTION II

Synonyms: N.A.

Chemical Family: COOLING WATER CLEANER

D.O.T. Hazard Class: NONE

ID No.: NONE

D.O.T. Shipping Name: NONE

### SECTION II: INGREDIENTS

A. Hazardous Ingredients	CAS NO.	%	TLV
INORGANIC PEROXYGEN COMPOUND			
	TRADE SECRET	M	NONE ESTAB.
CALCIUM SEQUESTANT	TRADE SECRET	M	NONE ESTAB.
B. Other Ingredients			
		%*	TLV
SURFACTANTS		L	NONE ESTAB.

\*Legend: L=<5%; M=5-50%; H=>50% Note: N.A. = Not Available

### SECTION III: PHYSICAL PROPERTIES

Boiling Point: 212°F

Specific Gravity: 1.020-1.030

Percent Volatile (volume): >50

pH (neat solution): 4.0-6.5

Vapor Pressure (mm Hg): UNKNOWN

Solubility in Water: Complete

Vapor Density (air=1): UNKNOWN

Evaporation Rate (water=1): < 1

Appearance and Odor: CLEAR, COLORLESS LIQUID WITH PRACTICALLY NO ODOR

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): NOT APPLICABLE (N.A.)

Flammable Limits in Air (lower): N.A.

(upper): N.A.

Extinguishing Media: THIS PRODUCT IS NOT COMBUSTIBLE. USE EXTINGUISHING MEDIA SUITABLE FOR THE SURROUNDING FIRE.

Special Fire Fighting Procedures: THIS PRODUCT REQUIRES NO KNOWN SPECIAL PROCEDURES DURING A FIRE. HOWEVER, FIREFIGHTERS SHOULD BE PROTECTED FROM DIRECT PHYSICAL CONTACT WITH THE PRODUCT. FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT. SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR CONFINED AREAS.

Unusual Fire or Explosion Hazards: NONE KNOWN

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### SECTION V: HEALTH HAZARD DATA

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- A. TLV and Source: NONE ESTABLISHED FOR PRODUCT.
- B. Effects of a Single Overexposure by:
1. Ingestion: MAY BE TOXIC BY INGESTION. DO NOT TAKE INTERNALLY. MAY IRRITATE MOUTH, ESOPHAGUS, STOMACH ETC.
  2. Inhalation: BREATHING OF MIST MAY IRRITATE NOSE, THROAT AND LUNGS.
  3. Skin Contact: PROLONGED CONTACT MAY CAUSE IRRITATION AND RASH.
  4. Eye Contact: CAUSES IRRITATION AND POSSIBLE EYE BURNS.
- C. Effects of Repeated Overexposures: OTHER THAN SHORT TERM EFFECTS, NONE KNOWN.
- D. Emergency and First Aid Procedures for:
1. Ingestion: WASH OUT MOUTH, AND OTHER SKIN AREAS CONTACTED, WITH WATER. IF CONSCIOUS, **DO NOT** INDUCE VOMITING. KEEP AIRWAYS CLEAR. DRINK SEVERAL GLASSES OF WATER, MILK OR MILK OF MAGNESIA AND GET MEDICAL ATTENTION.
  2. Inhalation: REMOVE VICTIM TO FRESH AIR, GIVE OXYGEN IF NEEDED, OR ARTIFICIAL RESPIRATION TO MAINTAIN BREATHING. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. DO NOT LEAVE VICTIM UNATTENDED.
  3. Skin Contact: WASH WITH SOAP AND WATER OR PLAIN WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. IF PAIN OR IRRITATION PERSISTS, GET MEDICAL ATTENTION.
  4. Eye Contact: **IMMEDIATELY** FLUSH WITH CLEAR WATER FOR 15 MINUTES. FAST RESPONSE DURING THE FIRST MINUTE AFTER EYE CONTACT IS CRITICAL FOR PREVENTING POSSIBLE PERMANENT EYE DAMAGE. IF ANY PAIN OR IRRITATION PERSISTS, GET MEDICAL ATTENTION.

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### SECTION VI: PERSONNEL PROTECTION DATA

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Respiratory Protection: USUALLY NONE REQUIRED. AVOID INHALATION OF MIST.

Ventilation: NORMAL VENTILATION USUALLY SUFFICIENT.

Protective Gloves: LIGHT RUBBER GLOVES; ie, PLAYTEX TYPE.

Eye Protection: CHEMICAL SPLASH GOGGLES OR FACE SHIELD

Other Protective Clothing or Equipment: EYEWASH STATION IN AREA OF USE.

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### SECTION VII: REACTIVITY DATA

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- A. Product Stability: STABLE  
Conditions to Avoid: EXCESSIVE HEAT
- B. Incompatibility (Materials to Avoid): STRONG REDUCING AGENTS.
- C. Hazardous Combustion or Decomposition Products: EXTREME THERMAL DECOMPOSITION COULD RELEASE OXIDES OF CARBON.

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- D. Hazardous Polymerization: WILL NOT OCCUR  
Conditions to Avoid: NONE KNOWN

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### SECTION VIII: ENVIRONMENTAL DATA

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- A. Spill or Leak Procedures: SMALL SPILLS MAY BE FLUSHED WITH COPIOUS QUANTITIES OF WATER, PREFERABLY TO A SANITARY SEWER OR WASTE TREATMENT FACILITY. LARGER SPILLS MAY BE ABSORBED IN SAWDUST OR OTHER ABSORBENT AND SWEEPINGS DISPOSED OF IN AN APPROVED LANDFILL. THE AREA MAY THEN BE FLUSHED WITH COPIOUS QUANTITIES OF WATER.
- B. Waste Disposal: SMALL QUANTITIES MAY BE DILUTED WITH WATER AND FLUSHED TO A SANITARY SEWER. LARGER QUANTITIES MAY BE BURIED IN AN APPROVED LANDFILL. HOWEVER, OBEY ALL FEDERAL, STATE OR LOCAL REGULATIONS.
- C. Other Environmental Data: AQUATIC TOXICITY HAS NOT BEEN DETERMINED. PRODUCT SHOULD NOT BE DISCHARGED TO NATURAL WATERWAYS.

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### SECTION IX: SPECIAL PRECAUTIONS

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- A. Handling and Storage: STORE IN A COOL DRY PLACE. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. AVOID STORAGE NEAR STRONG REDUCING AGENTS.
- B. Other Precautions: THIS PRODUCT HAS BEEN DESIGNED FOR USE IN CLEANING CONTAMINATED COOLING WATER AND PROCESS WATER SYSTEMS. IT SHOULD BE USED ONLY IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE TECHNICAL REPRESENTATIVE SERVICING THE FACILITY.

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients contained in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be accurate. It is furnished to the customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure his employees are properly informed and advised of all safety precautions required. The information is furnished to comply with the "Occupational Safety and Health Act" (OSHA) hazard communication regulation [Rule 29 CFR 1910.1220 (g) (2)]. Use or dissemination of all or part of this information for any other purpose is not permitted.