

# Material Safety Data Sheet

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

## SENTRY TT-250

### SECTION I: IDENTIFICATION

Effective Date: 6/6/94  
Name and Address:  
Revised: JULY 31, 2003  
Phone:  
Emergency Phone SENTRY: (973) 616-9000  
CHEMTREC (800) 424-9300

Chemical Name: NOT APPLICABLE  
Synonyms: N.A.  
D.O.T. Shipping Name: CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM METHYLBENZOTRIAZOLE)  
D.O.T. Hazard Class: 8  
Formula: SEE SECTION II  
Chemical Family: COOLING WATER TREATMENT  
ID No: UN-1719  
Packing Group: PG-II (ERG-60)

### SECTION II: INGREDIENTS

A. Hazardous Ingredients	CAS NO.	%	TLV
SODIUM HYDROXIDE	1310-73-2	<0.3	2 mg/m <sup>3</sup> /15M
TOLYLTRIAZOLE, SODIUM SALT	64665-57-2	40-60	NONE ESTAB.
B. Other Ingredients		%*	TLV
WATER		BALANCE	NONE ESTAB.

### SECTION III: PHYSICAL PROPERTIES

Boiling Point: >212°F  
Percent Volatile (volume): <50  
Vapor Pressure (mm Hg): N.A.  
Vapor Density (air=1): <1  
Appearance and Odor: BRONZE LIQUID WITH CHARACTERISTIC ODOR  
Specific Gravity: 1.212-1.220  
pH (10% solution): 12.5 ± 0.3  
Solubility in Water: COMPLETE  
Evaporation Rate (water=1): 1.0

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): NONE

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

Extinguishing Media: ANY MEDIA SUITABLE FOR THE SURROUNDING FIRE

Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING A FIRE IN CONFINED AREAS AS DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT.

Unusual Fire or Explosion Hazards: NONE KNOWN

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### SECTION V: HEALTH HAZARD DATA

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- A. TLV and Source: NEVER ESTABLISHED FOR PRODUCT OR INGREDIENTS.
- B. Effects of a Single Overexposure by:
1. Ingestion: MAY BE TOXIC. CAUSES SEVERE IRRITATION TO INTERNAL TISSUES.
  2. Inhalation: NOT A LIKELY ROUTE OF EXPOSURE.
  3. Skin Contact: CAUSES IRRITATION OR BURNS.
  4. Eye Contact: CAUSES SEVERE IRRITATION OR BURNS AND POSSIBLE BLINDNESS.
- C. Effects of Repeated Overexposures: OTHER THAN SHORT TERM EFFECTS, NONE KNOWN.
- D. Emergency and First Aid Procedures for:
1. Ingestion: DRINK SEVERAL GLASSES OF WATER, VINEGAR 1:4 OR LEMON JUICE AND GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING.
  2. Inhalation: N.A.
  3. Skin Contact: WASH WITH SOAP AND WATER OR PLAIN WATER. IMMEDIATELY CHANGE AND LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.
  4. Eye Contact: IMMEDIATELY FLUSH WITH CLEAR WATER FOR 15 MINUTES AND IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
- E. Other Health Information: NONE KNOWN

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### SECTION VI: PERSONNEL PROTECTION DATA

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Respiratory Protection: NOT NORMALLY REQUIRED  
Ventilation: NORMAL VENTILATION SATISFACTORY

Protective Gloves: OPTIONAL  
Eye Protection: GOGGLES OR FACE SHIELD

Other Protective 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: NONE KNOWN
- B. Incompatibility: CONCENTRATED ACIDS OR OXIDIZING AGENTS
- C. Hazardous Combustion or Decomposition Products: OXIDES OF CARBON AND NITROGEN MAY BE RELEASED IF WATER IS EVAPORATED BY THE HEAT OF A FIRE. HCN POSSIBLE IF BURNED UNDER REDUCING CONDITIONS.
- 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.
- B. Waste Disposal: SMALL QUANTITIES MAY BE DILUTED WITH WATER AND FLUSHED TO A SANITARY SEWER. LARGER QUANTITIES MAY BE INCINERATED OR BURIED IN AN APPROVED LANDFILL. HOWEVER, OBEY ALL FEDERAL, STATE OR LOCAL REGULATIONS.
- C. Other Environmental Data: CALCULATED AQUATIC TOXICITY FOR THE PRODUCT >30ppm BASED ON THE MOST TOXIC INGREDIENT KNOWN IN THE PRODUCT.

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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.
- B. Other Precautions: THIS PRODUCT HAS BEEN DESIGNED FOR USE IN SPECIFIC TYPES OF COOLING WATER CIRCUITS AND SHOULD BE USED ONLY IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE TECHNICAL REPRESENTATIVE SERVICING THE FACILITY. IT MAY NOT BE USED FOR THE TREATMENT OF POTABLE WATERS.

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.