

# MATERIAL SAFETY DATA SHEET

## Section I

Walter Louis Chemicals  
530 South 5<sup>th</sup> Street, Quincy, IL 62301-4896  
Phone: 217/223-2017  
CHEMTREC EMERGENCY: 800/424-9300

*Trade Name and Synonyms:* **3412 COOLING TOWER TREATMENT**

*Chemical Name and Synonyms:*

*Proper Shipping Name:* Boiler Compound

*Hazardous class – Non-Hazardous*

Health = 1

*ID Number:* None

Fire = 0

*Label Requirements:* None required

Reactivity = 0

*Reportable Quantity:*

\*\*\*\*\*

## Section II – Hazardous Ingredients

<i>Ingredient</i>	<i>Percent</i>	<i>TLV</i>
-------------------	----------------	------------

None listed

\*\*\*\*\*

## Section III – Physical Data

*Boiling Point* → 212°F

*Solubility in water* – Complete

*Specific Gravity* –1.04

*Appearance and Odor* -- Amber liquid – organic odor

*pH (1% solution)* –9.6

\*\*\*\*\*

## Section IV – Fire and Explosion Hazard Data

*Flash Point* – Non-Flammable

*Extinguishing Media* – Use “alcohol” foam or dry chemical

*Special Fire fighting procedures:* None required in normal use.

*Unusual Fire and Explosion Hazards:* Highly flammable hydrogen is formed by reaction with aluminum when solution becomes concentrated due to fire exposure.

\*\*\*\*\*

## Section V – Health Hazard Data

*Threshold Limit Value:* Not established

*Effects of Overexposure:* EYES: May cause severe blindness resulting in damage to the eyes. SKIN: May be irritating to skin if prolonged exposure exists. INHALATION: Airborne concentrations of dust, mist, or spray can cause damage to the upper respiratory tract.

*Emergency and First Aid Procedure:* EYES: Immediately flush eyes with large quantities of water for a 15 minute period, periodically lifting upper and lower lids to ensure washing of the entire surface. Seek medical attention. SKIN: Immediately wash contaminated area with plenty of soap and water. If irritation persists, seek medical attention. INHALATION: Remove person from contaminated area to fresh air. If breathing has stopped, give artificial respiration. Seek medical attention. INGESTION: DO NOT INDUCE VOMITING. Give large quantities of water or several glasses of milk if available. Never give anything by mouth to a unconscious person. Seek medical attentio

## Section VI – Reactivity Data

*Stability* | Unstable  
 | Stable (XX)  
 | Conditions to avoid –

*Incompatibility:* Strong acids without dilution or agitation, metal alloys, chlorinated hydrocarbons.

*Hazardous Decomposition Products:* N/A

*Hazardous Polymerization:* | May occur  
 | Will not occur (XX)

\*\*\*\*\*

## Section VII – Spill or Leak Procedure

*Steps To Be Taken In Case Material is spilled or released:* Neutralize spill with dilute inorganic acids such as hydrochloric, sulfuric, nitric, phosphoric or acetic acid. The spill area should then be flushed with water followed by a liberal covering of sodium bicarbonate.

*Waste Disposal Method:* If not diluted and neutralized, this product can become a hazardous waste as designated by the EPA under authority of the Resource Conservation and Recovery Act.

\*\*\*\*\*

## Section VIII – Special Protection Information

*Respiratory Protection:* None required in normal use.

*Ventilation:* Local exhaust – Provide ventilation to maintain airborne concentration below OSHA limitations.

*Protective Gloves:* Rubber

*Eye Protection:* Chemical safety goggles or face shield

*Other:*

\*\*\*\*\*

## Section IX – Special Precautions

*Precautions to be taken in Handling and Storing:* Keep container closed when not in use.

*Other:* Minimize skin contact. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Safety shower, eye bath and washing facilities should be available.

\*\*\*\*\*

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Walter Louis Chemicals makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.

\*\*\*\*\*

Revised Date: February, 1998

Prepared By: MSDS Coordinator