



## Safety Data Sheet

### 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:**.....**AB 4600**  
**DESCRIPTION:**.....Clear amber liquid with characteristic odor.  
**RECOMMENDED USE:**.....Cooling Water Treatment  
**RESTRICTIONS ON USE:**.....Use only as directed.

**COMPANY:**..... CHEMTRON CORPORATION  
3500 Harry S. Truman Blvd  
St. Charles, MO 63301  
636-940-5445 (Mon-Fri., 8:00-4:00)  
www.chemtroncorporation.com

**EMERGENCY PHONE:** .....(800) 424-9300 (CHEMTREC)  
**REVISION DATE:**.....NOVEMBER 3, 2015

### 2 – HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:**.....Amber liquid, characteristic odor.

**CLASSIFICATION 29 CFR 1910.1200:** .....Product is hazardous by OSHA criteria.

Corrosive to Metals category 1  
Skin corrosion/irritation category 1A-1C  
Serious eye damage/eye irritation category 1  
Aquatic toxicity (Acute) category 3  
Acute toxicity (Oral) category 4  
Acute toxicity (inhalation) category 4



**GHS SIGNAL WORD:** .....**Danger**

**GHS HAZARD STATEMENTS:**.....H290: May be corrosive to metals  
H302: Harmful if swallowed: Causes damage to digestive system  
H314: Causes severe skin burns and eye damage.



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H318: Causes serious eye damage  
H332: Harmful if inhaled; Causes damage to respiratory system  
H402: Harmful to aquatic life

**GHS PRECAUTIONARY STATEMENTS:**.....P234: Keep only in original packaging.  
P260: Do not breathe dust/fume/gas/mist/vapors/spray.  
P264: Wash ... thoroughly after handling, wash gloves and contaminated surfaces.  
P270: Do not eat, drink or smoke when using this product  
P271: Use only outdoors or in a well-ventilated area  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection; when conditions warrant use, add face shield, apron, and/or rubber boots.  
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately, call a doctor.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing for 15 min. call a doctor.  
P310: Immediately call a POISON CENTER/doctor/...  
P321: Specific treatment (see ... on this label).  
P330: Rinse mouth  
P363: Wash contaminated clothing before reuse.  
Absorb spillage to prevent material damage.  
P405: Store locked up  
P501: Dispose of contents/container in accordance with local state and federal regulations.

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
Sodium tolyltriazole	30-60	64665-57-2

\*The exact percent by weight of the ingredients in this formulation is proprietary.

### 4 – FIRST-AID MEASURES

**BREATHING (INHALATION):**...Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.



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**SWALLOWING (INGESTION):**..IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If victim is fully conscious, give a cupful of water. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

**EYES:**.....Hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel. Get medical aid immediately.

**SKIN (DERMAL):** .....Remove contaminated clothing and shoes. Wash with soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse

**DELAYED EFFECTS:** .....Keep victim under observation.

**IMMEDIATE OR SPECIAL TREATMENT:** .....Treat symptomatically.

### 5 – FIRE-FIGHTING MEASURES

**FLASHPOINT:**.....180.0 C (356.0 F)

**EXTINGUISHING MEDIA:**.....Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Use extinguishing agent suitable for type of surrounding fire. Cool all affected containers with flooding quantities of water.

### 6 – ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:**.....Discharge into the environment must be avoided. Ensure adequate ventilation. Do not flush to sewer. Water Spill: Prevent additional discharge of material if possible to do so without hazard. Warn occupants and downstream/downwind areas of release of corrosive hazardous material and request all to stay clear. This material will sink and is soluble/dispersible in water, it is probably not recoverable. Notify Authorities.

**PERSONAL PRECAUTIONS:**....In case of inadequate ventilation, wear respiratory protection . Wear appropriate gloves to prevent skin exposure. Wear appropriate protective clothing to prevent skin exposure. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### 7 – HANDLING and STORAGE

**STORAGE:** .....Store in a cool, dry, well-ventilated area away from incompatible substances. Keep container tightly closed in a dry and well-ventilated place. Store contents under containers that are resistant to caustic solutions. Do not breathe dust, vapor, mist, or gas. Other Precautions: Keep container tightly closed.

**HANDLING:**.....Wear appropriate Personal Protective Equipment. (PPE). Wash thoroughly after handling. Avoid breathing dust, mist, or vapor. Use only with adequate ventilation. Avoid ingestion and inhalation. Do not let this chemical enter the environment. Keep away from food and drinking water.

### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS:** .....Use adequate ventilation to keep airborne concentrations low.

**PROTECTIVE CLOTHING:** .....Wear chemical splash goggles and face shield. Wear appropriate gloves to prevent skin exposure. Wear appropriate protective gloves to prevent skin exposure. Ventilation



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should be provided to control worker exposures and prevent health risks and as necessary to reduce, prevent and control dust, mist, vapor or aerosol generation. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

**ADDITIONAL MEASURES:**.....Wash thoroughly after handling. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

### 9 – PHYSICAL / CHEMICAL PROPERTIES

**APPEARANCE:** .....Amber liquid.  
**ODOR:** .....Characteristic  
**BOILING POINT:** .....>= 100.0 C (212.0 F) / 160 mm Hg.  
**VAPOR PRESSURE:**.....0.04 MM\_HG at 20.0 C (68.0 F)  
**VAPOR DENSITY (AIR=1):** .....Not applicable.  
**SPECIFIC GRAVITY:** .....NP1.19 at 25.0 C (77.0 F)  
**pH:** .....13.5  
**SOLUBILITY IN WATER:** .....Miscible at 18.0 C (64.4 F)  
**FLAMMABILITY:** .....Non combustible  
**EVAPORATION RATE:**.....< 1 (BuAC=1)

### 10 – STABILITY and REACTIVITY

**REACTIVITY:** .....Not normally reactive.  
**STABILITY:** .....Stable  
**HAZARDOUS POLYMERIZATION:** .....Product will not undergo polymerization.  
**INCOMPATIBILITY:** .....Oxidizing agents, acidic conditions.  
**HAZARDOUS REACTIONS:** .....incompatible materials, strong acids, strong oxidizing agents.  
**HAZARDOUS DECOMP:** .....Hazardous decomposition products formed under fire conditions. Toxic gases/vapors/fumes of: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), nitrogen oxides NO<sub>x</sub>).

### 11 – TOXICOLOGICAL INFORMATION

**LIKELY ROUTES OF EXPOSURE:** .....No data available.  
**TOXICOLOGICAL CHARACTERISTICS:** .....No data available.  
**CHRONIC EFFECTS:** .....No data available.

COMPONENTS	
Tolytriazole, sodium salt	LD50 Oral 920 mg/kg Rat LD50 Dermal > 2 g/kg Rabbit

### 12 – ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE AND DISTRIBUTION:** Danger to drinking water, even if small quantities leak into the ground. Freely miscible in water. Other: Do not empty into drains. This product is toxic to fish and aquatic organisms. Do not discharge into effluent containing this product into lakes, streams, ponds or estuaries, oceans or other waters unless in



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accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharging. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance call your State Water Board Authority or Regional Office of the EPA.

PRODUCT	DATA
Sodium Tolytriazole	LC50 Bluegill, 191.2 mg/l 96hr LC50 Rainbow Trout, 2370 mg/l 96hr LC50 water flea 245.7 mg/l 48hr LC50 ceriodaphnia dubia 141.789 mg/l 48h

**PERSISTENCE AND DEGRADABILITY:** .....No data available.

**BIOACCUMULATIVE POTENTIAL:** .....Accumulation in organisms is not expected.

**MOBILITY IN SOIL:**.....An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### 13 -DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** .....US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Contact a licensed professional waste disposal service to dispose of this material. Dispose of contents/container in accordance with all federal, state and local regulations. Discarded product, as sold, would be considered a RCRA Characteristic Hazardous Waste as it meets the definition /characteristic of corrosivity (designated as D002).

### 14 - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:**.....Corrosive liquid, Basic, Organic, N.O.S. (Sodium Tolytriazole)

**HAZARD CLASS:** .....8,

**UN/NA NUMBER:** .....UN3267

**PACKAGING GROUP :** .....II



**SPECIAL PRECAUTIONS:** .....As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

### 15 - REGULATIONS

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SRA Title III Chemical Listings:

**TSCA STATUS:** .....All ingredients listed or exempt from listing



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SECTION 311/312: .....Acute health hazard, chronic health hazard.

### 16 – OTHER INFORMATION

#### NFPA HAZARD RANKING

HEALTH	FIRE	REACTIVITY	SPECIAL
3	0	0	

#### HMIS HAZARD RANKING

HEALTH	FIRE	REACTIVITY	PPE
3	0	0	H

This data is offered in good faith and believed to be accurate, but it is for the users to satisfy themselves of the product suitability for their own purpose. There is no warranty expressed or implied. The recommended hygiene and safe handling procedures are believed to be generally applicable. The information given is designed only as a guidance. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.