



MATERIAL SAFETY DATA SHEET (MSDS)

1. Product Identification and Company Details

PRODUCT NAME: Wintrol® T 50Na

TRADE NAME: Wintrol® T 50Na

PRODUCT CODES: 30TT050

MANUFACTURER: Wincom, Inc.

ADDRESS: 11444 Deerfield Rd., Ste B
Cincinnati, Ohio 45242

PHONE: (513) 936-0185

EMERGENCY: CHEMTREC PHONE: (800) 255-3924

FAX PHONE: (513) 936-0068

CHEMICAL NAME/SYNONYMS: Sodium Tolyltriazole, Aqueous Solution 50%

CHEMICAL FAMILY: Triazole

CHEMICAL FORMULA: C₇H₆N₃Na

PRODUCT USE: Corrosion Inhibitor

Revision Date: 9/15/2010

*All non-emergency questions should be directed to customer service @ (513) 936-0185 or customerservice@wincom-inc.com *

2. Composition/Information on Ingredients

<u>COMPONENT</u>	<u>CAS #</u>	<u>% by Weight</u>	<u>EXPOSURE LIMITS</u>
Sodium Tolyltriazole	64665-57-2	49.5 – 51.0	Not assigned
Water	7732-18-5	49.0 – 50.5	

3. Hazard Identification:

EMERGENCY OVERVIEW: Harmful by vapor inhalation (irritant) and if swallowed (harmful). Vapor may be irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First Aid Measures

EYES: Flush eyes with water for 15 minutes. Get medical attention if irritation persists.

SKIN: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.

INGESTION: Wash out mouth thoroughly with water and give plenty of water to drink. Do not induce vomiting unless told by a medical professional. Obtain medical attention.

INHALATION: Self-Contained Breathing Apparatus should be worn if exposed to large quantities. Remove from exposure, get fresh air. If problems remain or occur later, get medical attention.



5. Fire Fighting Measures

FLAMMABLE LIMITS IN AIR, (% BY VOLUME) LOWER: Information not available.

FLASH POINT:

°F: 260

°C: 120

METHOD USED: DIN 51758

AUTOIGNITION TEMPERATURE:

°F: 775

°C: 413

METHOD USED: N/A

EXTINGUISHING MEDIA: Carbon dioxide, dry-chemical or universal type foam.

6. Accidental Release Measures

SPILL & CLEAN UP: Use proper personal protective equipment. Isolate and secure the area and follow the appropriate emergency guidelines. If local high concentration of airborne mist occurs, dilute spill with plenty of water and ventilate to disperse mist-laden air. Sweep up spill and reclaim or place in a covered waste disposal container. Report spill to proper authorities.

7. Handling and Storage

HANDLING AND STORAGE: Store in cool, dry, ventilated area away from any heat source. Keep containers tightly closed and in an upright position when not in use.

OTHER PRECAUTIONS: Product can freeze at temperatures below -15°C (5°F).

SECTION 7 NOTES: Change contaminated clothing. Wash hands well after working with substance.

8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS: Use ventilation if possible, e.g., fans or exhaust systems to keep vapor levels below recommended exposure limits.

VENTILATION : Provide natural or mechanical ventilation for mist and vapor control.

RESPIRATORY PROTECTION: If good ventilation is not available, wear a respiratory device approved by NIOSH/MSHA for protection against organic vapors, mists and dust. If handling large quantities, use a certified SCBA apparatus.

EYE PROTECTION: Wear safety glasses with un-perforated side shields.

SKIN PROTECTION: Wear chemical resistant gloves for long and repeated contact. Contaminated clothing and shoes should be cleaned before reusing.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety shower/eye wash

WORK HYGIENIC PRACTICES: Acceptable industrial hygiene practices should be maintained.



9. Physical & Chemical Properties

APPEARANCE: Clear to light yellow liquid

ODOR: No odor

MOLECULAR WEIGHT: 154.14 g/mol

PHYSICAL STATE: Liquid

BOILING POINT: 160 °C @ 2 mm Hg

VAPOR PRESSURE (EPIWIN): 0.0533 hPa @ 20°C

EVAPORATION RATE: < 1 (Butyl Acetate = 1)

SOLUBILITY IN WATER: Miscible

OTHER SOLUBILITIES: Soluble in methanol, ethanol and acetone

PERCENT VOLATILE: 50%

LOG P (OCTANOL-WATER): Log K_{ow} : 0.658

RELATIVE DENSITY: 1.190 g/cm³

GIBBS ENEGRY: 441.44 kJ/mol

SPECTRAL PROPERTIES: Data currently unavailable

SECTION 9 NOTES: The above chemical properties are a compilation of data from the NTP, Chemdraw and Wincom, Inc.

10. Chemical Stability & Reactivity Information

STABILITY: Stable

INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizing Agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: FIRE: Nitrogen oxides, carbon monoxide and carbon dioxide.
HCN in reducing atmospheres

HAZARDOUS POLYMERIZATION: Will not occur

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

Oral LD₅₀ (Rat): = 640-1980 mg/kg bw

Dermal LD₅₀ (Rabbit): > 2,000 mg/kg

Eye irritation (Rabbit): Causes mild eye irritation

Skin irritation (Rabbit): Not a primary skin irritant

HUMAN TOXICITY LEVELS: NONE FOUND

12. Ecological Information

ECOLOGICAL INFORMATION:

SPILL & CLEAN UP: Use proper personal protective equipment. Isolate and secure the area and follow the appropriate emergency guidelines Report the spill to the EPA.

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations regarding pollution.

AQUATIC TOXICITY:

L. machrochirus (96 hr. Tlm)	> 173 mg/l
S. gairdneri (96 hr. Tlm)	25.5 mg/l
B. rerio (hr. Tlm)	122 mg/l



13. Disposal Considerations

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

14. Transportation Information

DOT SHIPPING: Corrosive liquid, Basic, Organic, N.O.S. (Sodium Tolyltriazole)

DOT HAZARD CLASS: 8, PG III

UN/NA Number: UN3267

15. Regulatory Information

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): 8(c)/40CFR 712 Preliminary Assessment Rule
8(d) Health and Safety Data Rule

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances 249-596-6

WORLDWIDE CHEMICAL INVENTORY STATUS: USA,TSCA,CANADA and DSL

CALIFORNIA PROPOSITION 65: None of the components in Wintrol® T-50Na are in the current P-65 chemicals list.

HMIS HAZARD CLASSIFICATION

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 0

PROTECTION: C

16. Other Information

PREPARATION INFORMATION: Prepared on the 15th of September 2010, Supersedes the 11th of March 2009.

DISCLAIMER:

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