



## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. Product Identification and Company Details

**PRODUCT NAME:** Wintrol® SAM-H38Na

**TRADE NAME:** Wintrol® SAM-H38Na

**PRODUCT CODES:** 30SMH38L

**MANUFACTURER:** Wincom, Inc.

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



Nonfood Compounds Program Listed  
(HX-2) (Registration # 144470)

**PHONE:** (513) 936-0185

**EMERGENCY: CHEMTEL PHONE:** (800) 255-3924

**FAX PHONE:** (513) 936-0068

**CHEMICAL NAME/SYNONYMS:** Benzotriazole, 4 and 5 Methyl Benzotriazole, Tetrahydro Tolyltriazole

**CHEMICAL FAMILY:** Triazole Mixture

**CHEMICAL FORMULA:** C<sub>7</sub>H<sub>6</sub>N<sub>3</sub>Na, C<sub>6</sub>H<sub>4</sub>N<sub>3</sub>Na, C<sub>7</sub>H<sub>11</sub>N<sub>3</sub>

**PRODUCT USE:** Corrosion Inhibitor

**Revision Date:** 12/12/2011

\*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	0 - 25%	Not assigned
Sodium Benzotriazole	15217-42-2	0 - 25%	Not assigned
Tetrahydro Tolyltriazole	1307867-84-0	0 - 10%	Not assigned
Water	7732-18-5	60 - 65%	

### 3. Hazard Identification:

**EMERGENCY OVERVIEW:** Harmful by inhalation (irritant) and if swallowed (irritant). 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:** A fume hood should be used when handling this product. Remove from exposure, get fresh air. If problems remain or occur later, get medical attention.



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## 5. Fire Fighting Measures

**FLAMMABLE LIMITS IN AIR, (% BY VOLUME) LOWER:** 2.4%.

**FLASH POINT:**

F:  $\geq 360$

C:  $\geq 182$

**METHOD USED:** DIN 51758

**AUTOIGNITION TEMPERATURE:**

F: Data not available

C: Data not available

**METHOD USED:** N/A

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

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## 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 dust occurs, dampen spill with water and ventilate to disperse dust-laden air. Sweep up spill and reclaim or place in a covered waste disposal container. Report spill to proper authorities.

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## 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:** The product contains sodium hydroxide.

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

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## 8. Exposure Controls / Personal Protection

**ENGINEERING CONTROLS:** Use ventilation if possible, e.g., fans or exhaust systems to keep vapor levels low.

**VENTILATION :** Provide natural or mechanical ventilation.

**RESPIRATORY PROTECTION:** If good ventilation is not available, wear a respiratory device approved by NIOSH/MSHA for protection against 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.



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## 9. Physical & Chemical Properties

**APPEARANCE:** Light yellow to amber colored liquid

**ODOR:** Slightly Sweet Odor

**MOLECULAR WEIGHT:** 145.25 g/mol

**PHYSICAL STATE:** Liquid

**OTHER SOLUBILITIES:** Soluble in methanol, ethanol and acetone

**PERCENT VOLATILE:**  $\leq 60.0\%$

**SPECTRAL PROPERTIES:** Data currently unavailable

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

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## 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

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## 11. Toxicological Information

### TOXICOLOGICAL INFORMATION:

TOXICITY DATA:	<u>Benzotriazole:</u>	<u>Tolyltriazole:</u>	<u>Tetrahydro Tolyltriazole:</u>
Oral LD <sub>50</sub> (Rat): =	560 mg/kg	675 mg/kg	>500 mg/kg
Dermal LD <sub>50</sub> (Rabbit):	> 2,000 mg/kg	> 2,000 mg/kg	No data available
Eye Irritation (Rabbit)	Causes eye irritation	Causes eye irritation	No data available
Skin irritation (Rabbit):	Not a primary skin irr.	Not a primary skin irr.	No data available

**HUMAN TOXICITY LEVELS:** NONE FOUND

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## 12. Ecological Information

### ECOLOGICAL INFORMATION:

**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 dust occurs, dampen spill with water and ventilate to disperse dust-laden air. Sweep up spill and reclaim or place in a covered waste disposal container.

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

**AQUATIC TOXICITY:** Wintrol SAM-H38Na (Data for product, not separate constituents)

**Fathead Minnow** (*Pimephales promelas*): 96 Hour LC<sub>50</sub>: 273 mg/L (95% C.I. 255 – 292 mg/L)  
96 Hour Survival NOEC: 200 mg/L  
96 Hour Survival LOEC: 400 mg/L

**Water Flea** (*Ceriodaphnia dubia*): 48 Hour LC<sub>50</sub>: 414 mg/L (95% C.I. 355-483 mg/L)  
48 Hour Survival NOEC: 200 mg/L  
48 Hour Survival LOEC: 400 mg/L



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## 13. Disposal Considerations

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

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## 14. Transportation Information

**DOT CLASSIFICATION:** Corrosive Liquid, Basic, Organic, N.O.S. (Sodium Triazole Mix)

**DOT HAZARD CLASS:** 8, PG III

**UN/NA NUMBER:** UN3267

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## 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:** The contents of this product are 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® SAM-H38Na are in the current P-65 chemicals list

### HMIS HAZARD CLASSIFICATION

**HEALTH:** 3

**FLAMMABILITY:** 1

**REACTIVITY:** 0

**PROTECTION:** E

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## 16. Other Information

**PREPARATION INFORMATION:** Prepared on the 29<sup>th</sup> of March 2011. Aquatic Revisions Only 12\_12\_2011

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## DISCLAIMER:

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