



## SAFETY DATA SHEET (SDS)

### 1 - IDENTIFICATION

#### Wintrol® SAM-H38Na

**Product Code:** 30SMH38L

**Chemical Family:** Triazole mixture

**Recommended use:** Yellow metal corrosion inhibitor

#### Wincom, Inc.

11444 Deerfield Road  
Suite B  
Blue Ash, Ohio 45242

**Information Telephone #:** (513) 936-0185 (7:30 AM to 4 PM, EST, Monday to Friday)

**24 Hr. Emergency Telephone #:** CHEMTEL (US): (800) 225-3924  
CHEMTEL (Int'l): 01-813-240-0585



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

**Revision Date:** 11/21/2013

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

### 2 - HAZARDS IDENTIFICATION

#### Classification of Chemical:

Light yellow to amber colored liquid

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200)(Hazcom 2012)

#### Hazard classification:

Acute Toxicity - Category 4  
Skin Corrosion - Category 1  
Serious Eye Damage - Category 1

#### Label elements:

*Hazard pictograms:*





Signal word: Danger

*Hazard statements:*

H332 Harmful if inhaled  
H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

*Precautionary statements:*

P261 Avoid breathing mist/vapors/spray  
P271 Use only when outdoors or in a well-ventilated area  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312 Call a POISON CENTER/doctor if you feel unwell  
P264 Wash contact area thoroughly after handling  
P280 Wear protective goggles, gloves, apron and vapor respirator  
P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P363 Wash contaminated clothing before reuse  
P310 Immediately call a POISON CENTER/doctor if ingested  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P405 Store locked up  
P501 Dispose of contents/containers in accordance with local regulations

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### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>% by Weight</u>
Sodium Tolyltriazole	64665-57-2	0 - 25%
Sodium Benzotriazole	15217-42-2	0 - 25%
Tetrahydro Tolyltriazole	1307867-84-0	0 - 10%
Water	7732-18-5	60 - 65%

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### 4 - FIRST AID MEASURES

**Description of first aid measures:**

Inhalation: IF INHALED: Remove from exposure, get fresh air. If problems remain or occur later, get medical attention. Self-Contained Breathing Apparatus should be worn if exposed to large quantities.  
Skin Contact: IF ON SKIN: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.  
Eye Contact: For eye contact, flush eyes with water for 15 minutes. Get medical attention if irritation persists.  
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.

**Symptoms and effects, both acute and delayed:**

inhalation: may be irritating to mucous membranes and respiratory tract  
ingestion: severe pain, vomiting, diarrhea and collapse  
skin: redness, itching or swelling  
eyes: redness, burning, swelling, tearing or pain



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## 5 - FIRE-FIGHTING MEASURES

### Extinguishing Media:

*Suitable extinguishing media:* Carbon dioxide, dry-chemical or universal type foam

*Unsuitable extinguishing media:* Do not use a solid water stream as it may scatter and spread fire

**Special hazards arising from the substance:** Incompatible with oxidizing agents

**Hazardous combustion products:** none

**Special protective equipment and precautions for firefighters:** Use Carbon Dioxide Extinguisher (suitable for class B and C fires) or Multi-Purpose Dry Chemical Extinguisher (suitable for class A, B and C fires)

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## 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Any/all persons dealing with the spill should wear appropriate personal protective equipment. Keep others away from spill/leak. Restrict access to area until the spill has been cleaned up.

**Methods and material for containment and cleaning 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.

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## 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Obtain special instructions before use. Wear proper personal protective equipment. Use only in well ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and open flame.

**Conditions for safe storage:** Store in cool, dry, ventilated area away from any heat source. Storage area should be clearly identified and free of obstruction. Keep containers tightly closed and in an upright position when not in use.

**Incompatible materials:** Oxidizing agents

**Other precautions:** This 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

**Exposure Limits:** Limits for triazole mixture have not been established by OSHA and ACGIH

### Exposure controls:

Ventilation and engineering measures: Use ventilation if possible, e.g., fans or exhaust systems to keep vapor levels below recommended exposure limits.

**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 re-using.



**Other protective equipment:** Safety shower/eye wash

**General hygiene considerations:** Acceptable industrial hygiene practices should be maintained.

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## 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

**Odor:** Slightly sweet odor

**Odor threshold:** Data currently unavailable

**pH @ 10%:** 11.5 – 11.8

**Freezing point:** Data currently unavailable

**Boiling point:** Data currently unavailable

**Vapor pressure:** Data currently unavailable

**Vapor density:** Data currently unavailable

**Evaporation rate:** Data currently unavailable

**Flash point:** 182°C; 360°F

**Upper/lower flammability limits:** 2.4% by volume (lower limit)

**Solubility in water:** Miscible

**Other solubilities:** Soluble in methanol, ethanol and acetone

**Percent volatile:** 60 – 65% (water)

**Log P (octanol – water):** Data currently unavailable

**Relative density:** 1.152

**Autoignition temperature:** Data currently unavailable

**Decomposition temperature:** Data currently unavailable

**Viscosity (cSt @ 25°C):** 6.59

**Gibbs energy:** Data currently unavailable

**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 - STABILITY AND REACTIVITY

**Reactivity:** Data currently unavailable

**Stability:** Stable

**Conditions to avoid:** Oxidizing Agents

**Incompatible materials:** Oxidizing Agents

**Hazardous decomposition products or by-products:** FIRE: Nitrogen oxides, carbon monoxide and carbon dioxide. HCN in reducing atmospheres

**Possibility of hazardous reactions:** Hazardous polymerization does not occur

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## 11 - TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**

**Routes of entry – inhalation:** yes

**Routes of entry – skin & eye:** yes

**Routes of entry – ingestion:** yes

**Routes of entry – skin absorption:** yes



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**Potential Health Effects:****Signs and symptoms of short term (acute) exposure:**

*Signs and symptoms – inhalation:* may be irritating to mucous membranes and respiratory tract

*Signs and symptoms – ingestion:* severe pain, vomiting, diarrhea and collapse

*Signs and symptoms – skin:* redness, itching or swelling

*Signs and symptoms – eyes:* redness, burning, swelling, tearing or pain

**Mutagenicity:** No data found

**Carcinogenicity:** The components of this product are not listed on OSHA, NIOSH, IARC or NTP lists as cancer-causing

**Reproductive effects:** No data found

**Sensitization to material:** No data found

**Specific target organ effects:** No data found

**Medical conditions aggravated by overexposure:** No data found

**Toxicological Data:** The calculated ATE values for this mixture are:

ATE oral = 1632 mg/kg

ATE dermal = 6666 mg/kg

ATE inhalation = 4 mg/L

**Human toxicity levels:** None found

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**12 – ECOLOGICAL INFORMATION**

**Toxicity to fish:** LC<sub>50</sub>/96 hr/*P. promelas* = 273 mg/L (95% C.I. 255-292 mg/L)

**Toxicity to crustacean:** LC<sub>50</sub>/48 hr/*C. dubia* = 414 mg/L (95% C.I. 355-483 mg/L)

**Toxicity to algae:** Data not available

**Persistence and degradability:** Data currently unavailable

**Bioaccumulation potential:** Data currently unavailable

**Mobility in soil:** Data currently unavailable

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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, 202-394-1, 2933-99-82-90.

**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

PHYSICAL HAZARD: 0

PROTECTION: H

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## 16. Other Information

**Preparation Information:** Prepared on the 21<sup>st</sup> of November, 2013

**Legend:** ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service

CFR: Code of Federal Regulations

DOT: Department of Transportation

DSL: Domestic Substance List (Canada)

EC: Effective Concentration

EINECS: European Inventory of Existing Commercial chemical Substances

EPA: Environmental Protection Agency

HMIS: Hazardous Material Identification System

IARC: International Agency for Research on Cancer

LC: Lethal Concentration

LD: Lethal Dose

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

SCBA: Self Contained Breathing Apparatus

SDS: Safety Data Sheet/Material Safety Data Sheet

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## DISCLAIMER:

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