

# UNITED 338



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES  
 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

PRODUCT NAME  
 UNITED 338 TOWERTAB

USE/DESCRIPTION  
 Antimicrobial Agent for Industrial Use

REVISION DATE  
 September 15, 2008

### HEALTH (0 = Maximum Safety) 3

Always follow Label Directions and Cautions.

4 Extreme 3 High 2 Moderate 1 Slight 0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

### REACTIVITY (0 = Maximum Safety) 1

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire.  
 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.  
 2 Violent chemical change possible-use hose stream from distance  
 1 Unstable if heated-use precaution.  
 0 Normally stable.

### FLAMMABILITY (0 = Maximum Safety) 1

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated  
 3 Ignites at normal temperature. to burn.  
 2 Ignites when moderately heated. 0 Will not burn.

PERSONAL PROTECTION: 0



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients             | CAS#        | %Range | ACGIH (TLV-TWA) | OSHA (PEL-TWA) | LD50 (Species/Route) | Dow (Hg)            |
|-----------------------------------|-------------|--------|-----------------|----------------|----------------------|---------------------|
| 2,2-Dibromo-3-nitrilopropionamide | 010222-01-2 | 40     | NE              | NE             | 224 mg/kg (Rat/Oral) | 2mg/m <sup>3</sup>  |
| Hydroxypropyl methylcellulose     | 009004-65-3 |        | NE              | NE             | NE                   | 10mg/m <sup>3</sup> |
| Lactose                           | 000063-42-3 |        | NE              | NE             | NE                   | NE                  |
| Steric Acid                       | 000057-11-4 |        | NE              | NE             | NE                   | 10mg/m <sup>3</sup> |

### 3. HAZARDS IDENTIFICATION

**Eyes:** Broken or crushed product may cause severe irritation or corneal injury which may result in blindness.

**Skin:** Prolonged or repeated exposure may cause irritation, burn, or allergic reaction.

**Inhalation:** Unlikely exposure to dust from tablets.

**Ingestion:** Small amounts swallowed incidental to normal handling unlikely to cause injury. Swallowing larger amounts may cause serious injury even death.

### 4. FIRST AID MEASURES

**Eyes:** Hold eye open and rinse slowly and gently with water for 30 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor.

**Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 30 minutes. Call poison control center or physician for treatment advice.

**Inhalation:** Remove to fresh air. If irritation persists, call a physician.

**If Swallowed:** Call poison control center or physician immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or a physician. If person is unconscious, do not give anything by mouth.

### 5. FIRE FIGHTING MEASURES

Flash Point (TCC): N/A

Explosive Limits: Lower (LEL): N/A Upper (UEL): N/A

Flame Projection (Aerosol): N/A

**Hazardous Products of Combustion:** Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds.

**Fire and Explosion Hazards:** None known

**Extinguishing Media:** This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

**Fire Fighting Instructions:** Firefighters should wear full protective equipment and NIOSH-approved self-contained breathing apparatus. This material does not burn. Fight fire for other material that is burning.

## 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Collect all spilled material. Do not flush directly to waste treatment facility or water courses.

**Large Spills:** Collect all spilled material. Do not flush directly to waste treatment facility or water courses.

## 7. HANDLING AND STORAGE

Protect from temperature in excess of 95°F/35°C. Keep container close when not in use and store in a cool, well ventilated area in original container. Avoid contact with dust from head space of containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Chemical goggles are recommended.

**Skin:** Rubber gloves are recommended.

**Respiratory:** Normally not required. In dusty or misty atmospheres, use an approved particulate respirator.

**Engineering Controls:** Provide adequate ventilation.

**Other Protective Clothing or Equipment:** Long shirt sleeves are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** ND **Specific Gravity:** 1.3 -1.4 g/cc (H<sub>2</sub>O=1) **Vapor Pressure:** 4 x 10<sup>-5</sup> @ 25°C/77°F **Melting Point:** ND  
**Vapor Density:** < 1 **Evaporation Rate:** ND **Solubility in Water:** Slowly soluble in more than 10 times its own volume  
**pH:** NA

**Appearance and Odor:** Beige tablet with mild disinfectant odor.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** Gases are released during decomposition. Hazardous decomposition products may include and are not limited to bromine, cyanogens bromide, dibromoacetone, carbon dioxide.

**Chemical Stability:** Stable

**Incompatibility:** Avoid strong bases.

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity (NTP/IARC/OSHA):** None

**California Proposition 65:** Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

## 12. ECOLOGICAL INFORMATION

ND

## 13. DISPOSAL CONSIDERATIONS

Consult your local, state, and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT:** Available upon request

**TDG:** Available upon request

**UN:** Available upon request

## 15. REGULATORY INFORMATION

**VOC (Volatile Organic Compounds):** ND

**TSCA (Toxic Substances Control Act):** Listed

**SARA Title III Section 302 EHS:** ND

**SARA Title III Section 311/312:** ND

**SARA Title III Section 313 Toxic Chemicals:** Dibromonitropropionamide CAS# 10222-01-2 – 40%

**WHMIS Classification:**

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

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