ZEE COMPANY INC®
SOLUTIONS FOR EXCELLENCE
A Member of The Vincit Group

MATERIAL SAFETY DATA SHEET

TOWER 1 D

Revision Date: 07/01/06
Supersedes: 08/01/02

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: TOWER 1 D, **Chemical Name:** Proprietary Blend, **Chemical Family:** Mixture, **Formula:** Not Applicable, Mixture, **CAS Registry Number:** Not Applicable, Mixture.

Manufacturer: ZEE COMPANY, INC. 4146 South Creek Road, Chattanooga, TN 37406
Telephone Numbers: Product Information: 423.698.1401

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	% by Wt.	Hazardous*
Sodium Molybdate Dihydrate	10102-40-6	1 - 20	Yes
Hydroxethyl-idenediphosphonic Acid	2809-21-4	1 - 10	Yes
Phosphonobutanetricarboxylic Acid	37971-36-1	1 - 10	Yes
Tolyltriazole	29385-43-1	1 - 10	
Acrylic Polycarboxylate	-	10 - 20	
Other Ingredients	-	20 - 30	

* By OSHA definition, 29 CFR 1910.1200 (See Section 3 for Hazard Identification and Section 8 for Exposure Guidelines)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Can cause irritation or damage to eyes and skin. Harmful if swallowed.

Routes of Exposure: Contact, ingestion. **Target Organ Effects: Eyes:** Causes irritation and, with extended contact, burns. Can result in severe damage. **Skin:** Causes irritation with reddening and itching. **Ingestion:** Causes irritation to the mucous membranes or other tissues contacted. **Inhalation:** Irritating to the respiratory tract. **Carcinogenicity:** Contains no listed carcinogens.

4. FIRST AID MEASURES

Eyes: Flush with clean cool water for 15 minutes holding eyelids open. See a physician immediately. **Skin:** Immediately flush skin with plenty of water while removing contaminated clothing and boots. See a physician. **Ingestion:** Drink plenty of water or milk. Do not induce vomiting. See a physician immediately. **Inhalation:** Remove to fresh air. If not breathing give artificial respiration. See a physician.

5. FIRE FIGHTING MEASURES

Flammable Properties: Solid product. Product will melt and combustion may occur when exposed to fire. **Hazardous Combustion Products:** Oxides of carbon, nitrogen, phosphorous, zinc. **General Hazards:** None specific to this product. **Extinguishing Media:** Water, ABC dry chemical. **Fire Fighting Instructions:** Normal firefighting procedures apply. Self-contained breathing apparatus should be worn. **Other Information:** Flash Points: Not Applicable, Autoignition Temperature: Not Applicable, Flammability Limits in Air (% by volume): Not Applicable.

MATERIAL SAFETY DATA SHEET, TOWER 1 D

6. ACCIDENTAL RELEASE (SPILL MEASURES)

Confine large spills. Do not flush with water. Collect spilled material into approved hazardous waste container. Residue may be cleaned up with water but rinse water may require collection and treatment prior to disposal. Spray residue of small spills with plenty of water.

7. HANDLING AND STORAGE

Handling: Avoid contact. Do not touch face or eyes when handling. **Storage:** When not in use keep container closed. Store in a cool dry location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Good general ventilation. **Eye Protection:** Chemical goggles with face shield. **Skin Protection:** Neoprene or natural rubber gloves, **Respiratory Protection:** Use only NIOSH/MSHA approved respiratory protection if exposure guideline might be exceeded. **Other Protective Equipment:** As required to minimize skin contact. Eye wash, safety shower, **Exposure Guidelines:** None established.

9. PHYSICAL AND CHEMICAL PROPERTIES (Typical)

Softening Point: 120 to 130℉, **Appearance and Odor:** Tan to brown amorphous solid, slight characteristic odor. **Bulk Density:** Approx. 11 lbs/gal. **Solubility in H_20:** Complete but dissolve slowly. **pH (1% solution):** 8 - 9.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable, **Conditions to Avoid:** Contact with strong acids or caustic, oxidizers. **Hazardous Decomposition Products:** By fire: oxides of carbon, nitrogen and phosphorous. **Hazardous Polymerization:** Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology of this product has not been established

12. ECOLOGICAL INFORMATION

Environmental effects of this product have not been established.

13. DISPOSAL CONSIDERATIONS

Dispose of in an approved hazardous waste container. Disposer must comply with local state and federal regulations with respect to disposal or discharge.

14. TRANSPORT INFORMATION

DOT Description: Not regulated

15. REGULATORY INFORMATION

All components are listed on the TSCA Inventory.

16. OTHER INFORMATION

Hazard Ratings: HMIS: Health - 2, Flammability - 0, Reactivity - 0, Protective Equipment: C. **NFPA:** Health - 2, Flammability - 0, Reactivity - 0.