MATERIAL SAFETY DATA SHEET

Zee FEEDW 1D

Revision Date: 8 1 06
Supersedes: 8/13/03

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: Zee FEEDW 1D, **Chemical Name:** Sulfite Blend, **Chemical Family:** Mixture, **Formula:** Not Applicable, Mixture, **CAS Registry Number:** Not Applicable, Mixture.

Manufacturer: Zee Company, 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 Sulfite	7757-83-7	90 - 95	No

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

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Irritant. Harmful if swallowed.

Routes of Exposure: Contact, ingestion. **Target Organ Effects: Eyes:** Dust, mist and solutions may irritate or burn. **Skin:** Dust, mist and solutions will irritate. **Ingestion:** May irritate gastrointestinal tract. May cause severe allergic reactions in some asthmatics and sulfite sensitive individuals. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system disturbances and even death. **Inhalation:** May irritate nose, throat and chest. **Carcinogenicity:** Not a carcinogen

4. FIRST AID MEASURES

Eyes: Flush with clean cool water for 15 minutes holding eyelids open. Get medical attention. **Skin:** Promptly wash skin with plenty of soap and water. **Ingestion:** Drink plenty of water or milk. Induce vomiting. See a physician immediately. **Inhalation:** Remove to fresh air. If symptoms persist see a physician.

5. FIRE FIGHTING MEASURES

Flammable Properties: Not flammable. **Hazardous Combustion Products:** Not applicable. **General Hazards:** On exposure to extreme heat can decompose to give toxic and corrosive sulfur dioxide gas and a hazardous residue. **Extinguishing Media:** Appropriate to primary fire source. **Fire Fighting Instructions:** Normal firefighting procedures apply. Self contained breathing apparatus should be worn. Use water spray to keep containers cool and knock down fumes. **Other Information:** Flash Points: Not Applicable, Autoignition Temperature: Not Applicable, Flammability Limits in Air (% by volume): Not Applicable.

6. ACCIDENTAL RELEASE (SPILL MEASURES)

Confine large spills. Do not flush with water. Collect spilled material into an appropriate container. Residue may be cleaned up with water but rinse water may require collection and careful neutralization with acid. Neutralization with acid requires good ventilation since sulfur dioxide gas will be released. May require oxidation to sodium sulfate with dilute hydrogen peroxide. Spray residue of small spills with plenty of water.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes skin and clothing. Avoid breathing mist. Use with adequate ventilation. **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. **Skin Protection:** Neoprene or natural rubber gloves, **Respiratory Protection:** Use only NIOSH/MSHA approved respiratory protection for mists or sulfur dioxide gas if these might be generated. **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: Not applicable. **Appearance and Odor:** Near black amorphous solid, characteristic odor. **Bulk Density:** Approx. 14 lbs/gal. **Solubility in $H_2$0:** 20 - 25% at ambient temperatures. **pH (1% solution):** approx. 10

10. STABILITY AND REACTIVITY

Chemical Stability: Stable, **Conditions to Avoid:** Contact with strong acids (releases sulfur dioxide), oxidizers (causes vigorous exothermic reaction). **Hazardous Decomposition Products:** At very high temperatures releases toxic and corrosive sulfur dioxide gas and a flammable, strongly irritating residue. **Hazardous Polymerization:** Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology of this product has not been established

12. ECOLOGICAL INFORMATION

Aquatic Toxicity (Sodium Sulfite): 24, 48 & 96 hr. TL_m (Mosquito fish) 2600 ppm
Biological Oxygen Demand (BOD): 0.12 lb/lb instantaneous

13. DISPOSAL CONSIDERATIONS

Dispose of in an approved 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 - 1, Flammability - 0, Reactivity - 0, Protective Equipment: C. **NFPA:** Health - 1, Flammability - 0, Reactivity - 0.

The above information is based on data available to us and is believed to be correct. However no warranty, merchantability, fitness for any use or any other warranty is expressed or to be implied regarding the accuracy of these data, the result to be obtained from the use thereof, the hazards connected with the use of the material, or that any such use will not infringe any patent. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility resulting from its use. This information is furnished upon the condition that the person receiving it shall make his own determination for the suitability of the material for his particular purpose. Zee FEEDW 1 D MSDS End.