

# MATERIAL SAFETY DATA SHEET

Manufactured by: *Imperial Western Products*  
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Date 6/20/05

## 1. **Chemical Product**

General Product Name: **Drought Defense**  
Synonyms: Soil Conditioner

Product Description: **Amine Soap and Surfactant blend**  
CAS Number: N/A

**Health 0**  
**Flammability 0**  
**Reactivity 0**

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## 2. **Composition/ Information on ingredients**

This product's ingredients are generally recognized as Non- Hazardous non-toxic, & Non-Restricted

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## 3. **Hazardous identification**

### **Potential Health Effects:**

#### **INHALATION:**

Fumes from this product are generally considered non-toxic, but can cause slight irritation to the mouth, esophagus, and lungs. There are no known acute or chronic effects

#### **EYE CONTACT:**

Contact of this product upon the eyes can cause irritation of the eyes and eyelids. There are no known acute or chronic effects.

#### **SKIN CONTACT:**

Prolonged contact of this product upon the skin can cause irritation. There is also the possibility of defatting the skin due to the removal of the skins natural oils. There are no known acute or chronic effects.

#### **INGESTION:**

When concentrated solutions of this product are swallowed, it can cause irritation to the mouth, esophagus, and stomach. There are no known acute or chronic effects.

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## 4. **FIRST AID MEASURES**

### **EYES:**

Flush eyes with cool water for 30 minutes. Consult a physician if irritation or damage occurs

### **SKIN:**

Flush exposed area with lukewarm water. Consult physician if irritation or damage occurs.

### **INHALATION:**

Fumes from this product are generally considered harmless.

### **INGESTION:**

Do not induce vomiting. Have patient drink large amounts of water or milk and consult a physician immediately.

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## 5. **FIRE FIGHTING MEASURES**

Flash Point: >300 F

Flammability Limits: None known

EXTINGUISHING MEDIA:

WATER, SAND, CO2, DRY FOAM, HALON  
SPECIAL FIREFIGHTING PROCEDURES: THIS PRODUCT WILL NOT BURN OR  
SUPPORT COMBUSTION.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

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## 6. ACCIDENTAL RELEASE MEASURES/SPILL CLEAN UP PROCEDURES

**Small spill:** Flush area with water to an industrial sewer line

**Large spill:** Contains spill with dikes of absorbent materials such as clay, sand, or vermiculate. This material is non-hazardous and may be disposed of as non-hazardous refuse.

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## 7. HANDLING AND STORAGE:

For maximum results, store in closed containers above 32°F and below 115 °F. Store out of sun and away from direct heat/cold source for prolonged periods of time for maximum usage.

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## 8. EXPOSURE CONTROL/ PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Please use in a ventilated room, No respiratory protection is recommended.

PROTECTIVE CLOTHING:

Gloves are not necessary when handling this product. Simply rinse exposed area with water.

OTHER PROTECTIVE MEASURES:

When handling this or any other chemical product and there is the possibility of splashing it is recommended that proper protection for the eyes be worn. This consists of chemical resistant glasses and /or goggles.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212F

VOC % by Volume: Negligible

Specific Gravity (H2O=1): 1.02

Solubility in H2O % by Volume: 100%

Ph of concentration: 9.0 to 9.5

-This product is 100% miscible in water

Evaporation Rate Butyl Acetate: 1.00

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Appearance and odor: **Yellow Liquid with Mild Detergent odor**

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## 10. STABILITY AND REACTIVITY

GENERAL:

Under normal conditions hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONCITIONS TO AVOID: Heat or direct sunlight. Stratification of product may result if product is subjected to high temperatures. There are no other harmful effects.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

Combustion elements: carbon monoxide, carbon dioxide along with thick smoke

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## **11. DISPOSAL CONSIDERATIONS**

### **WASTE DISPOSAL:**

All hazardous materials must be solidified and disposed of in an EPA approved class one facility. When disposing of chemicals, contact local, state, and federal environmental agencies to fully understand the necessary regulations governing the disposal of chemical wastes.

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## **12. TRANSPORTATION INFORMATION**

UNHAZARD CLASS: N/A

NMFC 50303

PROPER SHIPPING NAME: N/A

IDENTIFICATION NUMBER: N/A

SHIPPING CLASSIFICATION: 55

DOT Class: Non Regulated

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## **13. REGULATORY INFORMATION:**

### **OSHA STATUS:**

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous noted in sections 2 and 3.

### **TSCA STATUS**

This product is not listed on TSCA

### **CERCLA (Comprehensive Responsible Compensation and Liability act)**

NOT Reportable

### **SARA TITLE 111 (Superfund Amendments and Reauthorization act):**

Section 312 extremely hazardous substances:

None

Section 311/312 Hazard Categories:

Non hazardous

Section 313 Toxic Chemicals

None

### **RCRA STATUS:**

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.(40 CFR 261.20-24)

### **CALIFORNIA PROP 65**

The following statement is made on order to comply with the California Safe Drinking water and Toxic Enforcement Act of 1986. This product contains no chemicals known to the state of California to cause cancer.

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## **14. Other Information**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

