

# SAFETY DATA SHEET

## AGRODYNE EQUALIZER ZINKL FOLIAR

### 1. IDENTIFICATION

**Product Identifier:** AgroDyne Equalizer ZINKL Foliar

**Manufacturer Information**

InCide Technologies  
50 North 41<sup>st</sup> Ave.  
Phoenix, AZ. 85009-4618

### 2. HAZARD(S) IDENTIFICATION

**Emergency Overview:** Dust may cause eye, skin, and respiratory tract irritation.

**Potential Health Effects-Eyes:** May cause eye irritation.

**Potential Health Effects-Skin:** May cause skin irritation.

**Potential Health Effects-Ingestion:** Not considered a likely route of exposure under normal product use conditions. May be harmful if swallowed.

**Potential Health Effects-Inhalation:** Dust may cause respiratory tract irritation.

**HMIS Ratings: Health: 1, Fire: 1, HMIS Reactivity: 0**

Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, \* = Chronic hazard

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Component
Not available	Trace Elements of Sulfonated Potash
7704-34-9	Sulfur
7440-70-2	Calcium
91728-14-2	Aluminum
584-08-7	Potassium Carbonate
7439-89-6	Iron
1415-93-6	Leonardite
1314-13-2	Zinc Oxide

### 4. FIRST-AID MEASURES

**Description of Necessary Measures:**

**Eye Contact:** If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

**Skin Contact:** If on skin: Immediately flush skin with plenty of water for at least 15 minutes. If irritation persists, contact a physician.

**Inhalation:** If inhaled: Move to non-contaminated air. If the affected person is not breathing, begin artificial respiration and call 911 if symptoms continue to persist.

**Ingestion:** If swallowed: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use appropriate extinguishing media for surrounding fire.

**General Fire Hazards:** N.A.

**Hazardous Combustion Products:** Not determined

**Special Protective Equipment and Precautions for Fire-Fighters:** Fire fighters should wear full protective gear.

**PA Ratings:** Health: 1, Fire: 1, Reactivity: 0

Hazard Scale 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

## 6. ACCIDENTAL RELEASE MEASURES

**Containment Procedures:** Stop the flow of material as long as it is without risk.

**Evacuation Procedure:** Isolate area. Keep unnecessary personnel away.

**Special Procedures:** None

**Clean-Up Procedures:** Gather material and place in material appropriate container for disposal.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes and skin. Wear protective clothing during use.

**Conditions for Safe Storage:** Store in a cool, dry location.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Component Exposure Limits:** ACGIH, OSHA and NIOSH have not developed exposure limits for any of this product's components.

**Engineering Controls:** Showers, Eye Station, Ventilation and Local Exhaust.

**Individual Protection Measures:**

**Eye/Face Protection:** Wear safety glasses with side shields while handling this product.

**Skin Protection:** Use impervious gloves and long sleeve clothing.

**Respiratory Protection:** NIOSH/MSHA approved respiratory protection should be worn for prolonged exposure or if irritation is experienced.

**Other Protective Equipment-General:** Handle in accordance with good industrial hygiene and safety practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** Black, Liquid

**Odor:** Mild odor, sulfur smell

**pH:** 6.3

**Freezing Point (deg. F):** 5

**Melting Point (deg. F):** N.D.

**Initial Boiling Point or Boiling Range:** N.A.

**Flash Point:** N.A.

**Flash Point Method:** N.A.

**Evaporation Rate (nBuAc = 1):** N.D.

**Flammability (solid, gas):** N.D.

**Lower Explosion Limit:** N.A.

**Upper Explosion Limit:** N.A.

**Vapor Pressure (mm Hg):** N.D.

**Vapor Density (air=1):** N.D.

**Specific Gravity or Relative Density:** 9.17 lbs./gallon

**Solubility in Water:** Soluble  
**Partition Coefficient (n-octanol/water):** N.D.  
**Autoignition Temperature:** No Data  
**Decomposition Temperature:** N.D.  
**Viscosity:** N.D.  
**% Volatile (wt%):** N.D.  
**VOC (wt%):** N.D.  
**VOC (lbs/gal):** N.D.  
**Fire Point:** N.D.

## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur under normal conditions.

**Conditions to Avoid:** Avoid dust generation. Keep away from ignition sources.

**Incompatible Materials:** None

**Hazardous Decomposition Products:** Not Determined

## 11. TOXICOLOGICAL INFORMATION

### Acute Dose Effects

**A: General Product Information:** No information available for this product

**B: Component Analysis-LD50/LC50**

**Sulfur (7704-34-9)**

Inhalation LC50 Rat > 9.23 mg/kg 4h; Oral LD50 Rat > 3000 mg/kg; Dermal LD50 Rabbit > 2000 mg/kg

**Potassium Carbonate (584-08-7)**

Oral LD 50 Rat 1870 mg/kg; Dermal LD50 Rat 1.87 mg/kg

**Iron (743989-6)**

Oral LD50 Rat 984 mg/kg

### Carcinogenicity

**A: General Product Information:** No information available for this product

**B: Component Carcinogenicity:** None of this product's components are listed by ACGIH, IARC, NIOSH or NTP

## 12. ECOLOGICAL INFORMATION

**General Information:** No information available on this product.

### Component Analysis-Ecotoxicity-Aquatic Toxicity

**Sulfur (770434-9)**

Test & Species

96 Hr. LC50 Brachydanio Rerio

96 Hr. LC50 Lepomis Macrochirus

96 Hr. LC50 Oncorhynchus

Conditions

866 mg/L (static)

<14mg/L (static)

>180 mg/L (static)

## 12. ECOLOGICAL INFORMATION (con't)

### Iron (7439-89-6)

#### Test & Species

96 Hr. LC50 Morone Saxatilis

96 Hr. LC50 Cyprinus Carpio

#### Conditions

13.6 mg/kg (static)

0.56 mg/L (Semi-Static)

## 13. DISPOSAL CONSIDERATIONS

**Component Waste Numbers:** No EPA waste numbers are applicable for this product's components.

**Disposal Instructions:** All waste must be handled in accordance with local, state and federal regulations.

See Section 7 for handling procedures.

See Section 8 for personal protective equipment recommendations.

## 14. TRANSPORT INFORMATION

**DOT (Department of Transportation):**

**Proper Shipping Name:** Not regulated by the DOT.

## 15. REGULATORY INFORMATION

**TSCA Inventory Status:** This product or all components of this product are either listed or are exempt on the TSCA Inventory.

**SARA Title III Section 311/312 Category Hazards:** Please see Section 2 of this SDS.

**Component Analysis:** None of the product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4)

**\*Prop 65 - May Contain the Following Trace Components:**

This product may contain a detectable level of (a) chemical(s) subject to California's Proposition 65.

## 16. OTHER INFORMATION

The Prop 65 Notice is only applicable to products sold in the state of California.

### **CALIFORNIA PROPOSITION 65 WARNING**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

**For more information:** [www.watts.com/prop65](http://www.watts.com/prop65)

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**General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designated only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specifications. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. No guarantee is made as to accuracy or completeness; therefore, the user assumes all risks involving the use of this product.

**END OF SAFETY DATA SHEET**