

# MATERIAL SAFETY DATA SHEET (IRON COMBAT)

## SECTION 1)

CHEMICAL NAME: Plant nutrients liquid solution.

ACTIVE INGREDIENTS: Iron 4.5%, zinc 1%, manganese 1%, copper 0.2% and Boron 0.2%.

PRODUCT NAME: **IRON COMBAT**

FORMULATED BY: AGSCITECH INC.

ADDRESS: 365 NORTH 600 WEST  
LOGAN, UT 84321

**Emergency Phone Number 1-435-757-7585**

## SECTION 2) HAZARDOUS INGREDIENTS: NONE

Hazardous Ingredients: (Specific Chemical Identity; OSHA PEL ACGIH TLV C

common name	C.A.S. / N.A. / UN No.	%	LD <sub>50</sub>
NONE			

## SECTION 3) PHYSICAL/CHEMICAL DATA

Physical State:

Odor and Appearance:

**LIQUID**

**DarkGreen liquid with slight acid odor**

Odor Threshold: **NA**

Specific Gravity: **1.35**

Vapor Pressure: **ND**

Vapor Density: **ND**

Evaporation Rate: **ND**

Boiling Point: **NA**

Freezing Point: **NA**

Density: **ND**

pH: (**10% SOLUTION**) **4.00+/- 0.5**

## SECTION 4) FIRE AND EXPLOSION HAZARD

Flammability: **NON-FLAMMABLE**

Means of Extinction:

**USE FLOODING QUANTITIES OF WATER. DO NOT USE WATER JET. WEAR FULL PROTECTIVE CLOTHING IF PRODUCT IS INVOLVED IN A FIRE.**

Flashpoint: **NA**

UEL: **NA**

LEL: **NA**

Auto-ignition Temperature:

**ND**

TDG Flammability Class:

**NON-FLAMMABLE**

Hazardous Combustion Products:

**N/A**

## SECTION 5) REACTIVITY DATA

Chemical Stability: **STABLE**

Incompatibility: **None known**

Conditions of Reactivity: **N/A**

Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide, carbon monoxide

## SECTION 6) HEALTH HAZARD DATA

### **TOXICOLOGICAL PROPERTIES**

Route of Entry:

Effects of Acute or Chronic Exposure:

**SKIN CONTACT - IRRITATION COULD OCCUR WITH PROLONGED EXPOSURE TO DRY MATERIAL OR SOLUTION.**

**SKIN ABSORPTION - NOT KNOWN TO BE ABSORBED THROUGH THE SKIN.**

**EYE CONTACT - IRRITATION COULD OCCUR IF SOLUTION IS SPLASHED IN EYES.**

**INHALATION - VERY LOW VAPOR ACTIVITY. IF HEATED COULD RELEASE AMMONIA GAS. CAN CAUSE RESPIRATORY TRACT IRRITATION.**

**INGESTION - EXCESSIVE INGESTION MUST OCCUR BEFORE ANY HEALTH HAZARD RESULTS. EFFECTS OF OVEREXPOSURE MAY INCLUDE NAUSEA, VOMITING, DIARRHEA, WEAKNESS OR CONVULSIONS.**

Exposure Limits:

**ND**

Synergistic Products:

**ND**

Sensitization / Irritancy:

**ND**

Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects:

NONE KNOWN

**SECTION 7) PRECAUTION FOR SAFE HANDLING AND USE**

Personal Protective Equipment:

**RESPIRATORY - DUST MASK IF CONDITIONS WARRANT.  
EYES - WEAR SAFETY GLASSES TO AVOID EYE CONTACT. DO NOT WEAR CONTACT LENSES.**

**GLOVES - WEAR IMPERMEABLE GLOVES TO AVOID SKIN CONTACT.**

Engineering Controls:

**VENTILATE.**

Leak or Spill Procedure:

**CONTAIN THE SPILL. COLLECT LIQUID OR SOLIDIFY WITH ABSORBENT MATERIAL AND DISPOSE OF IN APPROVED MANNER. PREVENT ENTRY INTO WATERWAYS.**

Disposal:

**DISPOSE OF IN NON CROP AREAS AWAY FROM WATERWAYS, IN ACCORDANCE WITH FEDERAL AND LOCAL REGULATIONS.**

Handling Procedures and Equipment:

**AVOID DIRECT AND PROLONGED CONTACT WITH SKIN.**

Storage Requirements:

**KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE.**

Shipping Information:

**NOT REGULATED.**

**SECTION 8: FIRST AID MEASURES:**

**SKIN - WASH WITH SOAP AND WATER. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER.**

**EYES - FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. SEEK ATTENTION IF IRRITATION PERSISTS.**

**INHALATION - NOT EXPECTED TO BE HARMFUL UNDER NORMAL CONDITIONS OF USE, HOWEVER IF ALLOWED TO BECOME AIRBORNE MAY CAUSE IRRITATION OF NOSE, THROAT AND LUNGS.**

**INGESTION - FOR LARGE AMOUNTS SEEK MEDICAL ATTENTION IMMEDIATELY.**

**SECTION 9: ADDITIONAL INFORMATION:**

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TECHNICAL

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