

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ORIGIN X-TRA 05/01/99 P.1

MANUFACTURER: CUSTOM AGRICULTURAL FORMULATORS  
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I. HAZARDOUS INGREDIENTS

| CHEMICAL NAME:         | CAS #     |
|------------------------|-----------|
| AMMONIUM POLYPHOSPHATE |           |
| PHOSPHORIC ACID        | 7664-38-2 |
| METAL SULFATES         |           |

II. PHYSICAL AND CHEMICAL CHARACTERISTICS

|                           |                                       |
|---------------------------|---------------------------------------|
| STABILITY:                | STABLE                                |
| INCOMPATIBILITY:          | STRONG ALKALIES, OXIDIZERS, PEROXIDES |
| HAZARDOUS POLYMERIZATION: | NONE                                  |
| SOLUBILITY:               | WATER BASED SOLUTION                  |
| APPEARANCE:               | DARK BROWN LIQUID                     |
| BOILING POINT:            | 212°F                                 |
| MELTING POINT:            | N/A                                   |
| SPECIFIC GRAVITY:         | 1.367                                 |
| VAPOR PRESSURE:           | N/A                                   |
| VAPOR DENSITY:            | N/A                                   |
| EVAPORATION:              | N/A                                   |

III. FIRE AND EXPLOSION DATA

|                      |   |
|----------------------|---|
| FLASH POINT:         | NON-FLAMMABLE                                     |
| AUTOIGNITION:        | N/A   |
| EXTINGUISHING MEDIA: | MEDIA AS NEEDED TO CONTROL PRIMARY SOURCE OF FIRE |

USUSUAL FIRE AND EXPLOSION HAZARDS: FIREMAN'S GEAR MAY BE INADEQUATE DUE TO PHOSPHORIC ACID. REACTIONS WITH METALS MAY RELEASE HYDROGEN GAS (FLAMMABLE). THERMAL DECOMPOSITION PRODUCTS ARE HAZARDOUS AND/OR TOXIC.

FIREFIGHTING PROCEDURES: WEAR RESPIRATOR, CONTAIN RUNOFF

IV. PHYSIOLOGICAL & HEALTH EFFECTS

ROUTES OF ENTRY: INHALATION, SKIN OR EYE CONTACT, INGESTION  
ACUTE HEALTH EFFECTS: METAL SULFATES MAY CAUSE EYE, SKIN AND GASTROINTESTINAL IRRITATION. INGESTION OF LARGE AMOUNTS MAY CAUSE CRAMPS, VOMITING AND BLOODY STOOLS AND URINE.  
CHRONIC HEALTH EFFECTS: MAY CAUSE EYE, SKIN, RESPIRATORY AND DIGESTIVE TRACT IRRITATION OR BURNS, DEPENDING UPON THE CONCENTRATION. INGESTION OF LARGE OR CONCENTRATED AMOUNTS, IF LEFT UNTREATED, MAY CAUSE NAUSEA, VOMITING, STOMACH PAINS AND BLOODY DIARRHEA.

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V. EMERGENCY & FIRST AID PROCEDURES

**EYES:** WASH THOROUGHLY FOR 15 MINUTES WITH CLEAR WATER. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

**SKIN:** WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION OR SYMPTOMS PERSIST, SEE A PHYSICIAN.

**INHALATION:** INHALATION OF SPRAY MIST MAY BE IRRITATING TO RESPIRATORY TRACT. MAY CAUSE NAUSEA.

**INGESTION:** NAUSEA, GASTRIC DISTRESS. METALLIC POISONING MAY RESULT FROM SWALLOWING LARGE AMOUNTS OF PRODUCT.

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## VI. SPECIAL PROTECTIVE INFORMATION

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**EYE PROTECTION:** TO MINIMIZE EYE CONTACT, WEAR GOGGLES WHILE HANDLING THIS PRODUCT.

**SKIN PROTECTION:** TO MINIMIZE SKIN CONTACT, WEAR FULL LENGTH CLOTHING AND RUBBER GLOVES WHILE HANDLING THIS PRODUCT.

**RESPIRATORY PROTECTION:** AVOID BREATHING SPRAY MIST. INHALATION MAY BE MINIMIZED BY WEARING AN APPROVED RESPIRATOR.

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## VII. ENVIRONMENTAL PROTECTION

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**ENVIRONMENTAL IMPACT:** THIS PRODUCT, WHEN USED AS DIRECTED BY THE LABEL, IS NOT EXPECTED TO HAVE ANY SIGNIFICANT IMPACT ON THE ENVIRONMENT.

**PRECAUTIONS IF MATERIAL IS RELEASED OR SPILLED:** ABSORB IN INERT MATERIAL. PLACE IN DISPOSABLE CONTAINER. FLUSH CLEANED AREA WITH WATER TO DILUTE TO HARMLESS SOLUTION.

**WASTE DISPOSAL METHODS:** DISPOSE OF WASTE MATERIALS AND CONTAINERS ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

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## VIII. SPECIAL PRECAUTIONS

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THE ABOVE INFORMATION IS BASED ON DATA OF WHICH WE ARE AWARE AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREON. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATIONS OF THE INFORMATIONS, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF ITS USE. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS PARTICULAR PURPOSE.