

Material Safety Data Sheet

Origin Ascend™

Section 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Origin Ascend™

TRADE NAMES: None

SYNONYMS : Gibberellic acid, indole butyric acid

CHEMICAL FAMILY: Plant Growth Regulator

MSDS CREATION DATE: January 2008

MSDS CURRENT REVISION DATE: None

DISTRIBUTED BY: Winfield Solutions LLC, PO Box 64589, St. Paul, Minnesota 55164-0589, Phone 1-800-328-9680

EMERGENCY: CHEMTREC (24 Hour Emergency Response) 1-800-424-9300 OR Medical Emergency 1-877-424-7452

Section 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt
Gibberellic acid	8030-53-3	0.030
Indole butyric acid	133-32-4	0.045
Cytokinin	525-79-1	0.090
Copper citrate	10402-15-0	0.20
Ferrous citrate	1185-57-5	0.90
Manganese citrate	10024-66-5	0.90
Zinc citrate	546-46-3	1.25
Formulation aids		96.576

Section 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Greenish brown liquid that can irritate the eyes or skin. May be harmful if swallowed.

NFPA Rating: Health = 1, Fire = 0, Reactivity = 0

POTENTIAL HEALTH EFFECTS:

INHALATION: None known

SKIN CONTACT: None known

EYE CONTACT: Contact can cause eye irritation.

INGESTION: May cause nausea, vomiting, and gastric distress.

LONG TERM AND /OR DELAYED EFFECTS: Prolonged or repeated exposure may cause skin irritation.

CARCINOGEN STATUS:

OSHA: Not listed **NRC:** Not listed **IARC:** Not listed

Section 4 – FIRST AID MEASURES

INHALATION: Remove from exposure area to fresh air immediately. Get medical attention for irritation or any other symptom.

SKIN CONTACT: Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and rinse with water. Get medical assistance for irritation or any other symptom. Launder contaminated clothing separately.

EYE CONTACT: Flush eyes immediately with large amounts of water (approximately 15-20 minutes). Get medical attention for irritation.

INGESTION: Do not induce vomiting. Call a Physician or the Poison Control Center.

NOTE TO PHYSICIAN: Treat symptomatically.

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Section 5 – FIRE-FIGHTING MEASURES

FLASH POINT: None. Water-based.

AUTOIGNITION TEMPERATURE: Not determined

FIRE AND EXPLOSION HAZARD: No special hazard anticipated.

EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical for small fires and water fog or foam (alcohol, polymer or ordinary) for large fires. Water stream may spread flames.

FIREFIGHTING: Wear appropriate self-contained positive pressure breathing apparatus and full turnout gear. Prevent runoff of the firewater. Avoid exposure to smoke.

HAZARDOUS COMBUSTION PRODUCTS: None known

Section 6 – ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL: Dike the area using absorbent or materials such as sand or clay. Recover and contain as much product possible using absorbent. Clean spill area using a solution of water and detergent. Collect and contain wash water and all contaminated absorbent for disposal. If spilled on the ground, the affected area should be excavated to a depth of 1 – 2 inches. Prevent the spilled product or washing from reaching public sewers or waterways. Wear appropriate protective equipment during the cleanup. Ensure that tools and equipment are adequately decontaminated.

Section 7 – HANDLING AND STORAGE

STORAGE: Store in a cool, dry, secure area, protect containers from freezing.

NORMAL HANDLING: Avoid contact with skin and eyes. Do not breathe mists. Wash thoroughly after handling.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

INGREDIENT	OSHA PEL	ACGIH TLV	Other values
Copper dust and mists	1 mg(Cu)/m ³	1 mg (Cu)/m ³	None
Manganese dusts and mists	3 mg (Mn)/m ³	3 mg (Mn)/m ³	None

* = ACGIH Biological Exposure Value ** = AIHA Workplace Environmental Exposure Level

VENTILATION: Local Exhaust

EYE PROTECTION: Wear safety glasses. Use of splash shields or safety goggles recommended if product mists are generated.

CLOTHING: Chemical resistant gloves, coveralls, apron and foot coverings.

GLOVES: Wear rubber or other impervious gloves to prevent contact with this product.

RESPIRATOR: If product mists are generated, use a NIOSH approved organic mist air-purifying respirator.

EMERGENCY WASH FACILITIES: Where there is the potential that an employee's eyes and/or skin are exposed to this product; the employer should provide an eyewash fountain and safety shower or another source of running water within the immediate work area.

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Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION: Greenish brown, fertilizer.
MOLECULAR FORMULA: Mixture
MOLECULAR WEIGHT: Not applicable
pH: 6-7
MELTING POINT: N/A
BOILING POINT: 212°
VAPOR PRESSURE: Not determined
VAPOR DENSITY: N/A
WATER SOLUBILITY: 100%
SOLVENT SOLUBILITY: N/A
SPECIFIC GRAVITY: 1.12 (9.3 lbs/gal)

Section 10 – STABILITY AND REACTIVITY

REACTIVITY: Stable under normal temperatures and pressures.
CONDITIONS TO AVOID: Avoid excessive heat.
INCOMPATIBILITIES: None anticipated.
HAZARDOUS DECOMPOSITION: Not known
POLYMERIZATION: Will not occur

Section 11 – TOXICOLOGICAL INFORMATION

Acute Oral LD ₅₀ (rat): >5,000 mg/Kg	Acute Dermal LD ₅₀ (rabbit): >5050 mg/Kg
Acute Inhalation: >2.81 mg/L	Eye Irritation (rabbit): Not irritant
Dermal Irritation (rabbit): Not irritant	Dermal Sensitization: Not sensitizer

Section 12 – ECOLOGICAL INFORMATION

ACUTE AQUATIC TOXICITY: No data available
DEGRADABILITY: No data available
LOG BIOCONCENTRATION FACTOR (BCF): No data available
LOG OCTANOL/WATER PARTITION COEFFICIENT: No data available

Section 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state and local regulations.
CONTAINER DISPOSAL: Dispose of in an approved facility according to federal, state and local regulations.

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Section 14 - TRANSPORT INFORMATION

NOT DOT REGULATED

Section 15 – REGULATORY INFORMATION

TSCA STATUS: All ingredients are listed on the TSCA Inventory of Chemical Substances and/or comply with the TSCA chemical inventory and premanufacturing regulations.

OTHER TSCA ISSUES: None

SARA 311 CLASSIFICATION: Copper and copper compounds, Manganese and manganese compounds and Zinc and zinc compounds.

SARA 313 NOTIFICATION: Manganese and zinc and their compounds are reportable if present in concentrations above 1%. Reporting threshold is 10,000#.

CERCLA RQs and TPQs: 10,000 lbs

CALIFORNIA PROPOSITION 65: No ingredients found on the Propositions 65 list.

CANADIAN INVENTORY: Not Determined.

WHMIS: N/A

Section 16 – ADDITIONAL INFORMATION

CHANGES FROM PREVIOUS VERSION: New MSDS

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. Customers are responsible for compliance with local, state and federal regulations that may be pertinent in the storage, application and disposal of this product.