



## SAFETY DATA SHEET

### SDS

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#### I – PRODUCT IDENTIFICATION

TRADE NAME (as labeled)                    **ORCHID FOOD 20-10-20 UREA FREE**

MANUFACTURER'S NAME                    : GROW MORE, INC.  
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DATE PREPARED/REVISED                January 2, 2015

NAME OF PREPARER                         H. Langheim

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#### II – HAZARD IDENTIFICATION

##### EMERGENCY OVERVIEW

**APPEARANCE** – Fine blue crystals & powder

**ODOR** -                                        None

##### POTENTIAL HEALTH EFFECTS

**EYES** -                                        **H319** May cause irritation or damage to eyes.

**SKIN** -                                        **H317** Repeated contact may cause slight irritation.

**SWALLOWED** – **H336** Possible abdominal pain, diarrhea, diuresis, and nausea.

**CARCINOGENICITY** – No component of this product is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, OSHA, NTP

**SIGNAL WORD** – No signal word

##### PRECAUTIONARY STATEMENTS –

P102 – KEEP OUT OF REACH OF CHILDREN

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P302 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P310 IF IN EYES: Rinse with water for 15 minutes. Remove contact lenses.

P410 PROTECT FROM SUNLIGHT.

**III – COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS No.	%
Ammonium Phosphate	7722-76-1	Trade secret
Potassium Nitrate	7757-79-1	Trade secret
Ammonium Nitrate	6484-52-2	Trade secret
Iron EDTA	15708-41-5	Trade secret
Zinc EDTA	14025-21-9	Trade secret
Copper EDTA	14025-15-1	Trade secret
Manganese EDTA	15375-84-5	Trade secret
Boric Acid	10043-35-3	Trade secret

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**IV – FIRST AID MEASURES**

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.

**EYE CONTACT** - Wash thoroughly with water for at least 15 minutes. Remove contact lenses. Hold eyelids apart during flushing. Send patient immediately to physician.

**SKIN CONTACT** - Wipe excess material with dry cloth, removing contaminated clothing and shoes with large amounts of water and soap for at least 15 minutes.

**INHALED** - Remove from exposure to fresh air. Get medical attention if symptoms occur.

**SWALLOWED** - Rinse mouth. Drink 2-3 glasses of water and seek medical assistance. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

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**V – FIRE-FIGHTING MEASURES**

**SPECIAL FIREFIGHTING PROCEDURE** - Must wear MSHA/NIOSH approved self-contained breathing Apparatus. Use abundant amount of water in early stages of fire.

**UNUSUAL FIRE & EXPLOSION HAZARD** – When large quantities are involved in fire, solids may fuse or melt. In such conditions, application of water results in scattering of molten materials.

**FLASH POINT** – N/A

**FLAMMABLE LIMITS** – N/A

**AUTOIGNITION TEMPERATURE** – N/A

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**VI - ACCIDENTAL RELEASE MEASURES**

**SPILL RESPONSE PROCEDURE** (Include employee protection measures): Apply as fertilizer to field, dilute with sufficient water. Drain into the sewer with abundant amount of water. Any spilled area should be contained and recovered. Never return spills to original container for re-use.

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**VII - HANDLING AND STORAGE**

To maintain product quality, do not store in heat or direct sunlight. Use good housekeeping hygienic practices such as washing hands with soap after handling. Keep out of reach of children and pets. Do not reuse empty containers.

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**VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**

VENTILATION – Local exhaust.

ENGINEERING CONTROLS – N/A

RESPIRATORY PROTECTION – Where dust is generated by the process, MSHA/NIOSH approved respirator is advised in the absence of proper environmental control.

EYE PROTECTION – Safety glasses or goggles where there is a potential eye contact. Safety eyewash station should be accessible within 10 seconds.

SKIN PROTECTION – Wear protective work gown, rubber or plastic gloves to prevent irritation.

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**IX - PHYSICAL AND CHEMICAL PROPERTIES**

**GENERAL INFORMATION**

APPEARANCE – Fine green crystals & powder

ODOR – None

BOILING POINT OR RANGE °F – N/A

MELTING POINT OR RANGE °F – N/A

FLAMMABILITY – non-flammable

EXPLOSIVE PROPERTIES – non-explosive

pH of 1% SOLUTION – 6

SPECIFIC GRAVITY – N/A

EVAPORATION RATE (BUTYLACETATE=1) - 0

DECOMPOSITION TEMPERATURE – 250°F – 374°F

SOLUBILITY IN WATER – highly soluble (> 80%)

**X - STABILITY AND REACTIVITY**

STABILITY - Stable under normal conditions of use

CONDITIONS TO AVOID – N/A

INCOMPATIBILITY – N/A

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition may produce toxic fumes of Nitrogen oxides

HAZARDOUS POLYMERIZATION – will not occur

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**XI – TOXICOLOGICAL INFORMATION**

SKIN IRRITATION – may cause slight irritation

EYE IRRITATION – may cause slight irritation

SENSITIZATION – none

CHRONIC TOXICITY – none known

REPRODUCTIVE EFFECTS – none known

CARCINOGENICITY – this products does not contain any substances that are considered carcinogens by OSHA, NTP, IARC or ACGIH

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**XII – ECOLOGICAL INFORMATION**

ECOTOXICITY EFFECTS

ACUTE TOXICITY – none known

MOBILITY – water contaminating

PERSISTENCE AND DEGRADABILITY – none known

AQUATIC TOXICITY – might be beneficial to plant life

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**XIII – DISPOSAL CONSIDERATIONS**

Dispose of within current local and state regulations. No special method required.

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**XIV – TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION** - Not regulated by DOT.

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**XV - REGULATORY INFORMATION**

**TSCA STATUS** – Not determined

**OSHA STATUS** – Not listed as hazardous

**CERCLA** - None

**SARA TITLE III, Section 313 Toxic Chemicals** - None

**CALIFORNIA PROPOSITION 65** – not listed

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**XVI - OTHER INFORMATION**

**HAZARDOUS MATERIAL INFORMATION SYSTEM (USA)**

<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>0</b>
<b>Physical hazards</b>	<b>0</b>

Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe

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Version 1.1

Revision date: Feb. 11, 2015