

Symbol of Quality

GROW  MORE



World Headquarters

SAFETY DATA SHEET

SDS

I – PRODUCT IDENTIFICATION

TRADE NAME (as labeled) **NITRO CITRA VANTAGE**

MANUFACTURER'S NAME GROW MORE, INC.
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DATE PREPARED/REVISED January 2, 2016

NAME OF PREPARER H. Langheim

II – HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE – Clear liquid

ODOR - Slight NO_x odor

POTENTIAL HEALTH EFFECTS

EYES - **H319** May cause irritation 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** – Warning!

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. Hold eye lids apart while flushing.

P332 + P313 If skin irritation occurs: Get medical attention.

P362 Take off contaminated clothing and wash before reuse.



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POTENTIAL HEALTH EFFECTS

EYES – Contact with eyes may cause redness and irritation. Severe exposure can result in swelling of the conjunctiva along with tissue damage.

SKIN – Repeated contact may cause slight irritation. Severe exposure can result in discomfort or pain, redness, irritation, and possible tissue damage.

SWALLOWED – Ingestion of this product can be harmful or fatal. Immediately upon contact, this product will cause irritation and burns of the mouth, throat, and other tissues of the digestive system. Severe exposure symptoms include: gastrointestinal irritation, nausea. Severe ingestion overexposures can result in convulsions and collapse.

INHALATION – Inhalation of vapors, mists, or sprays of this product may irritate the nose, throat, and lungs. Symptoms may include: sneezing, coughing and difficulty breathing, in case of severe overexposures product can damage respiratory system tissues.

III – COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS No.	%
Zinc Nitrate	7779-88-6	Trade secret
Manganese Nitrate	10377-66-9	Trade secret
Ferric Nitrate	7782-61-8	Trade secret

IV – FIRST AID MEASURES

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, remove contaminated clothing and shoes with large amounts of water and soap for at least 15 minutes. Send patient immediately to physician.

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. Send patient immediately to physician.

V – FIRE-FIGHTING MEASURES

SPECIAL FIREFIGHTING PROCEDURE – Must wear MSHA/NIOSH approved self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS – If allowed to evaporate to dryness, zinc nitrate acts as an oxidizer. Contact with oxidizable substances may result in ignition, violent combustion or explosion. Poisonous gases are produced in fire including nitrogen oxides and zinc oxide vapors.

EXTINGUISHING MEDIA – Water fog, dry chemical, foam, carbon dioxide.

FLASH POINT – None-flammable

AUTOIGNITION – None-flammable

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VI – ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE PROCEDURE – Wear appropriate protective equipment and clothing during cleanup such as gloves, goggles, face shield, and apron. Contain the discharged material and dike the spilled material where possible. Prevent entry into sewers, drains, underground or confined spaces, water intakes and waterways.

CLEAN UP PROCEDURE – Absorb spill with inert material, shovel material into appropriate container for disposal. Keep unnecessary personnel out of the area. Follow all Local, State, Federal and Provincial regulations for disposal

VII – HANDLING AND STORAGE

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

Do not get this material in your eyes, on your skin, or on your clothing. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. Do not eat, drink or use tobacco products when handling this material. Use this product with adequate ventilation. Wash work clothes frequently.

VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION & ENGINEERING CONTROLS – Local exhaust.

RESPIRATORY PROTECTION – MSHA/NIOSH approved respirator with full face mask is advised.

EYE PROTECTION – Safety glasses or goggles. Safety eyewash station should be accessible within 10 seconds.

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

IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE – Clear liquid

ODOR – Slight NO_x odor

BOILING POINT OR RANGE °F – >212°F

MELTING POINT OR RANGE °F – N/E

FLAMMABILITY – Non-flammable

FREEZING POINT – 19.4°F – -7°C

EXPLOSIVE PROPERTIES – Non-explosive pH

< 1

SPECIFIC GRAVITY – 1.5 g/cm³ (13.3 lbs/gallon)

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X – STABILITY AND REACTIVITY

STABILITY – Stable under normal conditions of use.

CONDITIONS TO AVOID – Exposure to extreme temperatures, contact with incompatible chemicals, enhances fire.

INCOMPATIBILITY – Strong reducing agents, finely powdered metals, strong acids, liquid phosphates.

HAZARDOUS DECOMPOSITION PRODUCTS – Decomposition may yield zinc compounds and oxides of nitrogen.

HAZARDOUS POLYMERIZATION – Will not occur

XI – TOXICOLOGICAL INFORMATION

GENERAL PRODUCT INFORMATION – The nitrate component of this product may cause metemoglobinemia upon ingestion characterized by cyanosis, headache, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, coma and rarely death.

SKIN IRRITATION – Repeated contact may cause slight irritation. Severe exposure can result in discomfort or pain, redness, irritation, and possible tissue damage.

EYE IRRITATION – Contact with eyes may cause redness and slight irritation. Severe exposure can result in swelling of the conjunctiva along with tissue damage.

CARCINOGENICITY – This products does not contain any substances that are considered carcinogens by IARC.

XII – ECOLOGICAL INFORMATION

AQUATIC TOXICITY – In low concentrations, this product may be dangerous to aquatic life or animal life.

XIII – DISPOSAL CONSIDERATIONS

Dispose of within current local, state and federal regulations. Place waste in an appropriate container with correct labeling. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility.

XIV – TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION – Not regulated

XV – REGULATORY INFORMATION

TSCA STATUS – Listed on U.S. EPA TSCA Inventory List (Zinc nitrate solution is a hydrated form of zinc nitrate)

OSHA STATUS – Not listed as hazardous

SARA 311/312

1 Immediate (Acute) Health Effect – YES

2 Delayed (Chronic) Health Effect – NO

3 Fire Hazard – NO

4 Sudden Release of Pressure Hazard – NO

5 Reactivity Hazard – NO

SECTION 313 – Zinc Nitrate is subject to reporting levels established by SARA Title III, Section 313.

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CERCLA – Final RQ = 1000 pounds (454 kg)

XVI – OTHER INFORMATION

Disclaimer

Although the information and recommendations set forth in this sheet are believed to be correct as of the date hereof, Grow More, Inc. makes no representation as to the completeness or accuracy of such information and recommendations. Grow More, Inc. shall in no event be responsible for any damages of whatsoever nature or indirectly resulting from the publication or use of or reliance upon such information and recommendations. You are encouraged to advise anyone working with or exposed to such products of the information contained herein.

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