



SAFETY DATA SHEET

SDS

I – PRODUCT IDENTIFICATION

TRADE NAME (as labeled)	CITRA GROW MANGANESE 5% ORGANIC
MANUFACTURER'S NAME	GROW MORE, INC. 15600 New Century Drive Gardena, CA 90248 Tel. (310) 515-1700 Fax (310) 515-4937
DATE PREPARED/REVISED	April 2, 2015
NAME OF PREPARER	H. Langheim

II – HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE – Pink clear liquid

ODOR - Odorless

POTENTIAL HEALTH EFFECTS

EYES - May cause redness slight irritation.

SKIN - Repeated contact may cause slight irritation.

SWALLOWED - Possible abdominal pain and nausea.

OSHA/GNS STATUS – Not considered hazardous by the OSHA Hazard Communication Standard

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. Hold eye lids apart while flushing.

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

P362 Take off contaminated clothing and wash before reuse.

P410 PROTECT FROM SUNLIGHT.

III – COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS No.	%
Manganese Sulfate	10034-96-5	Trade secret
Citric Acid	77-92-9	Trade secret

IV – FIRST AID MEASURES

EYE CONTACT – Wash thoroughly with water for at least 15 minutes. Hold eyelids apart during flushing. Send patient immediately to physician.

SKIN CONTACT – Wipe excess material with dry cloth, while removing contaminated clothing and shoes with large amounts of water and soap.

INHALED – Remove from exposure. Treat symptomatically.

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.

V – FIRE-FIGHTING MEASURES

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

UNUSUAL FIRE & EXPLOSION HAZARD – None known

FLASH POINT – N/A

FLAMMABLE LIMITS – N/A

AUTOIGNITION TEMPERATURE – N/A

SUITABLE FIREFIGHTING MEDIA – Water fog, fine sand.

VI – ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE PROCEDURE – Caution! Floors may become slippery. Wear appropriate protective equipment MSHA/NIOSH approved respirator where mist or vapors of unknown concentration may be generated.

PREPARING WASTES FOR DISPOSAL – Dike and contain spill with inert material (sand, soil, etc. and transfer the liquid & solid separately to container for recovery or disposal. Keep spill out of sewers and open bodies of water. Dispose in compliance with all Federal State and local laws and regulations. Incineration is the preferred method.

VII – HANDLING AND STORAGE

To maintain product quality, do not store in heat or direct sunlight. Use good housekeeping practices such as washing hands with soap after handling. Do not eat, drink or smoke while handling this product. Keep out of reach of children and pets. Do not reuse empty containers. Wear suitable respiratory equipment, if you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep container tightly closed, in a cool, well-ventilated area.

VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION & ENGINEERING CONTROLS – Local ventilation.

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

EYE PROTECTION – Safety glasses or face shield where there is a potential eye contact.

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

IX – PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

APPEARANCE – Pink, clear liquid

ODOR – None

BOILING POINT OR RANGE °F – N/A

MELTING POINT OR RANGE °F – N/A

FLAMMABILITY – Non-flammable

EXPLOSIVE PROPERTIES – Non-explosive

VAPOR PRESSURE – N/A

pH – 1.8

DENSITY – 9.65 Lbs./Gal.

DECOMPOSITION TEMPERATURE – N/A

X – STABILITY AND REACTIVITY

STABILITY – Stable under normal conditions of use

CONDITIONS TO AVOID – N/A

INCOMPATIBILITY – High pH, calcium solutions, phosphate, carbonates.

HAZARDOUS DECOMPOSITION PRODUCTS – N/A

HAZARDOUS POLYMERIZATION – Will not occur

XI – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

INHALED – May cause irritation of upper airways, cough.

SWALLOWED – May cause irritation, cough, redness of mouth, nausea and vomiting.

SKIN – May cause skin redness and irritation.

SENSITIZATION – None

CHRONIC TOXICITY – Repeated or prolonged contact may result in dermatitis.

REPRODUCTIVE EFFECTS – None known

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

XII – ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY – Non-persistence and not subject to biodegradation.

ADDITIONAL ECOLOGICAL INFO – The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

XIII – DISPOSAL CONSIDERATIONS

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

RCRA HAZARD CLASS – N/A

XIV – TRANSPORT INFORMATION

U.S.DEPARTMENT OF TRANSPORTATION – Not regulated by DOT

XV - REGULATORY INFORMATION

CERCLA REPORTABLE QUANTITY (40 CFR117, 302)

SARA TITLE 1

SECTION 302 (40 CFR 355)

SECTION 311/312 (40 CFR 370)

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 (40 CFR 372) – Please refer to any other federal, state and local regulations.

XVI - OTHER INFORMATION

NFPA

Health	1
Flammability	0
Reactivity	0
Specific Hazard	0

HMIS

Health	1
Flammability	0
Reactivity	0
Specific Hazard	0

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

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