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*Helping you grow green with proven
specialty ag nutrients*

SAFETY DATA SHEET

Product Name: START UP MANGANESE CHELATE 5%

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 09/07/2014 Date of issue: 6/18/15

Version: 1.0

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: START UP MANGANESE CHELATE 5%

PRODUCT FORM: Liquid

CHEMICAL/Common Name: Soil Amendment

CAS NO: This product is a mixture – there is no specific CAS number

MANUFACTURER: WESTERN NUTRIENTS CORPORATION
245 INDUSTRIAL STREET
BAKERSFIELD, CALIFORNIA 93307
(661) 327-9604

EMERGENCY PHONE NUMBER: CHEMTREC (800) 499-9300

SECTION 2 – HAZARDOUS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Not classified

Label Elements

GHS-US Labeling

No labeling required

Other Hazards

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	PRODUCT IDENTIFIER	% BY WEIGHT	CLASSIFICATION
NOT APPLICABLE			



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SECTION 4 - FIRST AID MEASURES

- EYES:** Flush immediately with water for at least 15 minutes. Call a physician if eye irritation persists
- SKIN:** Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.
- INGESTION:** If conscious and alert, drink water or milk to dilute, and then induce vomiting. Call a physician or Poison Control Center immediately.
- INHALATION:** Move to fresh air. If breathing becomes difficult, call a physician.

SECTION 5 - FIRE-FIGHTING MEASURES

- FLASH POINT:** Not Combustible
- TEST METHOD:** Not pertinent
- FLAMMABLE LIMITS:** Not pertinent
- LEL:** Not pertinent
- UEL:** Not pertinent
- EXTINGUISHING MEDIA:** Not pertinent
- SPECIAL FIREFIGHTING PROCEDURES:** Wear positive pressure, self-contained breathing apparatus and goggles. Contain any liquid runoff.
- UNUSUAL FIRE & EXPLOSION HAZARDS:** None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**
Contain spill, absorb liquids by covering with absorbent material. Vacuum or sweep waste and place in container.
- WASTE DISPOSAL METHOD:**
Material, which cannot be used at the site, should be disposed of following all applicable Federal, State and local regulations.

SECTION 7 - HANDLING AND STORAGE

- Store in cool dry area away from children, food, and feed products
- Protect from freezing
- Avoid contamination and spills
- Avoid contact with eyes, skin, and clothing
- Avoid inhalation
- Wash hands thoroughly before eating or smoking



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EYES: Chemical dust / splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.

SKIN: Impervious gloves and clothes.

RESPIRATORY: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator

VENTILATION: Recommended but no TLV established

PERSONAL PROTECTIVE EQUIPMENT: Wear clothing consistent for handling and applying fertilizer



SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: DARK BROWN LIQUID

ODOR: STRONG AMMONIA

BOILING POINT: 215° F

SPECIFIC GRAVITY: 1.245

VAPOR PRESSURE: N/A

PH: 10

VAPOR DENSITY (AIR= 1) : <1.0

% VOLATILE: N/A

WATER SOLUBILITY: Complete, Miscible

EVAPORATION RATE: Same as water

HAZARD RATING: HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0
[0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme]

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY: Low pH Acid & Calcium

HAZARDOUS DECOMPOSITION PRODUCTS: Not known

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None known

SECTION 11 – TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE



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SECTION 12 – ECOLOGICAL INFORMATION

No data available – non-toxic, no adverse effects

SECTION 13 – DISPOSAL CONSIDERATIONS

Non-hazardous material, however, area should be rinsed thoroughly with water. Container is constructed of plastic recyclable material, rinse container thoroughly with water. Please refer to Section 8 above.

SECTION 14 – TRANSPORT INFORMATION

NON-HAZARDOUS MATERIAL – NOT APPLICABLE

SECTION 15 – REGULATORY INFORMATION

NOT APPLICABLE – NON-TOXIC, NON-HAZARDOUS

SECTION 16 - OTHER INFORMATION

This information was updated as of 9/15/2014 and is based on available evidence known to Western Nutrients Corporation. It is provided solely to comply with OSHA'S Hazard Communications Standard 29 CFR 1910.1200(g), but without warranty, expressed or implied.