

# Material Safety Data Sheet

## Tower Tonic Mix A

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Tower Tonic Mix A  
PRODUCT CODES:

MANUFACTURER: NSA, LLC.  
5585 E. Shelby Dr.  
Memphis, TN 38141

EMERGENCY PHONE: CHEMTREC 1-800-262-8200  
OTHER CALLS: 407-358-8596

CHEMICAL NAME: Mix A  
CHEMICAL FORMULA:

CHEMICAL FAMILY:

GENERAL/GENERIC ID: Liquid Fertilizer

UPDATED BY: \_\_\_\_\_

Section 1 NOTES:

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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**INGREDIENTS:** Tower Tonic Mix A is an especially formulated mixture derived mainly from mineral salts in specific proportions to provide excellent plant nutrition. The chemical identity of the compounds and exact proportions used in the mixture are a trade secret; however, they are derived from: Calcium nitrate, calcium chloride, and EDTA iron sodium.

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:			
OSHA PEL STEL :			
OSHA PEL CEILING:			
ACGIH TLV-TWA:			
ACGIH TLV STEL:			
ACGIH TLV CEILING:			

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### SECTION 3: HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW:

ROUTES OF ENTRY:

Inhalation: No                      Skin: No                                      Ingestion: Unlikely

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation or dermatitis in sensitive individuals.

INGESTION:

INHALATION:

CHRONIC AND ACUTE HEALTH HAZARDS: Eye contact may cause irritation. Prolonged contact with skin may cause irritation or dermatitis in sensitive individuals.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

CARCINOGENICITY: No

OSHA: No

NTP: No

IARC: No

OTHER:

Section 3 NOTES:

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### SECTION 4: FIRST AID MEASURES

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EYES: Flush with water for 15 minutes. Get medical attention if irritation persists.

SKIN: Flush with water for 15 minutes. Get medical attention if irritation persists.

INGESTION: Do not induce vomiting, contact a physician or poison control center immediately. Offer small amounts of water or milk.

INHALATION:

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SIGNS AND SYMPTOMS OF EXPOSURE: Eye irritation. Dry and/or red itchy skin

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### SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR (% BY VOLUME): N/A      UPPER: N/A      LOWER: N/A  
FLASH POINT: None                                      F:                                      C:

**METHOD USED:**

AUTOIGNITION TEMPERATURE:                      F:                                      C:

**NFPA HAZARD CLASSIFICATION**

HEALTH: 1                      FLAMMABILITY: 0                      REACTIVITY: 0                      OTHER:  
Hazard Classification Key: 0- least, 1- slight, 2- moderate, 3- high, 4- extreme

EXTINGUISHING MEDIA: Water, water fog or foam.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

Section 5 NOTES:

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:**

SPILL STEPS: Contain spill and recover product for use or disposal.

Section 6 NOTES:

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### SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: Store in a cool, dry area. Keep container closed when not in use. Keep Out Of Reach Of Children.

OTHER PRECAUTIONS:

Section 7 NOTES:

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### SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

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**ENGINEERING CONTROLS:**

VENTILATION: Adequate ventilation required to maintain a fresh air flow.

RESPIRATORY PROTECTION: If mist or dust conditions should be present use respirator approved by NIOSH.

EYE PROTECTION: Goggles or face shield.

SKIN (Hands, Arms, and Body) PROTECTION: Adequate clothing should be worn to prevent skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye bath, safety shower and oxygen mask.

WORK HYGIENIC PRACTICES: Wash all clothing before wearing. Wash all exposed skin surfaces with soap and water after using this product.

**EXPOSURE GUIDELINES:**

LOCAL EXHAUST: Adequate

Section 8 NOTES:

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: brownish red

ODOR:

PHYSICAL STATE:

pH OF CONCENTRATE: 5.31

BOILING POINT:

MELTING POINT:                      50                      F:                      15                      C:

FREEZING POINT:                      32                      F:                      0                      C:

VAPOR PRESSURE (mmHg):

VAPOR DENSITY (AIR = 1):

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):

EVAPORATION RATE:

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## Tower Tonic Mix A

BASIS (=1):

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: Complete

PERCENT SOLIDS BY WEIGHT: N/A

PERCENT VOLATILE: N?A

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: 9.6 LBS/GAL

WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:

VISCOSITY:

@

F:

C:

Section 9 NOTES:

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### SECTION 10: STABILITY AND REACTIVITY

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STABILITY: Product is stable.

CONDITIONS TO AVOID (STABILITY): None

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Acids or Alkali and strong Oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide and Carbon Dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None

Section 10 NOTES:

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### SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: N/A

Section 11 NOTES:

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### SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: N/A

Section 12 NOTES:

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### SECTION 13: DISPOSAL CONSIDERATIONS:

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WASTE DISPOSAL METHOD: If product can not be disposed of according to use directions on label. Dispose of in accordance with local, state, and federal regulations.

RCRA HAZARD CLASS:

Section 13 NOTES:

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### SECTION 14: TRANSPORT INFORMATION

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#### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Non Toxic, Non Hazardous Liquid Fertilizer

HAZARD CLASS:

DOT SHIPPING CLASS: 55

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

#### WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

PACKING GROUP:

ID NUMBER:

LABEL STATEMENTS:

#### AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

PACKING GROUP:

ID NUMBER:

LABEL STATEMENTS:

OTHER AGENCIES:

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Section 14 NOTES:

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### SECTION 15: REGULATORY INFORMATION

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#### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES:

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

Section 15 NOTES: Not Regulated.

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### SECTION 16: OTHER INFORMATION:

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OTHER INFORMATION:

PREPARATION INFORMATION:

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