

SAFETY DATA SHEET

Sovereign

Date Issued : 2/27/2018

SDS No : Sovereign

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Sovereign
CHEMICAL FAMILY: Fertilizer
GENERIC NAME: N-P-K with Micronutrients

MANUFACTURED BY:

Winfield Solutions, LLC
 P.O. Box 64589
 St. Paul, MN 55164-0589
Non-Emergency Business Inquiries: 1-855-494-6343
 Mon-Fri 8am - 5pm (Central Standard Time)

24 HR. EMERGENCY TELEPHONE NUMBERS

Medical Emergencies: 1-877-424-7452

For Chemical Emergency, Spill Leak Fire, Exposure or Accident, Call: CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health: Acute Toxicity (Oral), Category 5
 Skin Irritation, Category 3
 Eye Irritation, Category 2A
 Reproductive Toxicity, Category 2

GHS PICTOGRAM(S)



SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319: Causes serious eye irritation.
 H316: Causes mild skin irritation.
 H303: May be harmful if swallowed.
 H361: Suspected of damaging fertility or the unborn child

PRECAUTIONARY STATEMENTS

Prevention: P264: Wash hands, face and other affected areas thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.

Response: P305+P351+P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P332+P313: If skin irritation occurs get medical attention.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P308+P313: If exposed or concerned: Get medical attention.

Storage: P405: Store locked up.

Note: See Section 7 for additional information pertaining to Storage.

Disposal: P501: Dispose of contents/container in accordance with Federal, state and local regulations.
Note: See Section 13 for additional information pertaining to Disposal.

SENSITIZATION: Not a skin sensitizer.

3. COMPOSITION / INFORMATION ON INGREDIENTS**Chemical Name**

Total Nitrogen (N), Available Phosphorous (P), Soluble Potassium (K), Boron (B), Iron EDTA Chelate (Fe),
Manganese EDTA Chelate (Mn), Molybdenum (Mo), Zinc EDTA Chelate (Zn)

Wt.%
30.957

CAS
Mixture

4. FIRST AID MEASURES

EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice if irritation occurs.

INGESTION: Call a poison control center or doctor for treatment advice if you feel unwell. Do not induce vomiting unless told to do so by a medical professional. Do not give anything by mouth to an unconscious person.

INHALATION: Remove person from contaminated area to fresh air and assist breathing as needed. See medical attention if irritation occurs.

NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

ADDITIONAL INFORMATION: Have the product container or label with you when calling a poison control center or doctor, or going in for treatment.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Toxic fumes may be emitted in a fire situation.

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide, water vapor and may produce oxides of carbon, nitrogen and phosphorous.

EXPLOSION HAZARDS: No specific explosion hazards are identified or expected. Always fight fire with the implication that other volatile substances may be present.

FIRE FIGHTING PROCEDURES: Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Cover spilled product with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop or sweep up material and place in a container for disposal. Do not place spilled material back in original container. Dispose of spilled material and containers in accordance with Federal, state and local regulations.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not contaminate any body of water.

LAND SPILL: Avoid runoff onto any adjacent land.

SPECIAL PROTECTIVE EQUIPMENT: Always wear proper protective equipment when handling this product.

7. HANDLING AND STORAGE

HANDLING: Wash hands after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if this product gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE: Store in a cool, dry place. Store in original container only in a well-ventilated area at temperatures between 40°F and 95°F. Store locked up. Do not store near food or feeds. Do not stack pallets more than two (2) high.

STORAGE TEMPERATURE: (40°F) Minimum to (95°F) Maximum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical goggles or shielded safety glasses (ANSI Z87.1 or approved equivalent) when handling and mixing product. Contact lenses should not be worn when working with chemicals.

SKIN: Wear Chemical-resistant gloves such as Viton or barrier laminate, Coveralls over long-sleeved shirt, long pants and chemical resistant footwear plus socks. Chemical resistant headgear for overhead exposure. When exposed to product concentrate, wear a chemical resistant apron.

RESPIRATORY: Work in a well ventilated area. Decomposition of UAN may produce oxides of nitrogen and ammonia; if it is necessary to enter a confined space monitor for ammonia vapors also wear proper protective equipment. Always follow the Confined Space Entry program.

PROTECTIVE CLOTHING: Eye protection, long sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

OTHER USE PRECAUTIONS: Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Wash thoroughly after handling product. Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk from the work area per ANSI Z358.1-1990

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Slight ammonia

APPEARANCE: Liquid

COLOR: Clear, red

SOLUBILITY IN WATER: Soluble

DENSITY: 10.89-11.09 lbs/gal.

SPECIFIC GRAVITY: 1.3 to 1.33 g/mL

COMMENTS: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition of UAN may produce oxides of nitrogen and ammonia. **INCOMPATIBLE MATERIALS:** Do not mix with chlorine or hypochlorites.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: Not Established.

ORAL LD₅₀: Not Established. May be harmful if swallowed.

EYE EFFECTS: Causes serious eye irritation.

SKIN EFFECTS: Cause mild skin irritation.

CARCINOGENICITY

Notes: Not listed in OSHA, NTP, IARC or ACGIH

SENSITIZATION: Not a contact sensitizer

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Ecotoxicity information is not available. This product is not for use in aquatic settings.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents in accordance with Federal, state and local regulations. Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PRIMARY HAZARD CLASS/DIVISION: Not regulated by DOT

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Manganese Compounds 0.41%

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Not Listed

CALIFORNIA PROPOSITION 65: Not Listed

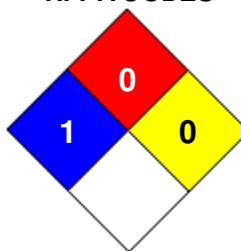
16. OTHER INFORMATION

REVISION DATE: February 27, 2018

SUPERSEDES SDS DATED: June 10, 2014

SECTIONS REVISED: 1,2,4,6,7,8,11,15,16

NFPA CODES



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