

# SAFETY DATA SHEET



Date Issued : 6/10/2014

SDS No : Sovereign

## Sovereign

### 1. PRODUCT AND COMPANY IDENTIFICATION

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

#### DISTRIBUTOR

United Suppliers, INC.  
 BOX 538  
 Eldora, IA 50627  
**Customer Service:** 800-782-5123

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**Poison Control Center (Medical) :** (877) 800-5553  
**CANUTEC (Canadian Transportation) :** (613) 996-6666  
**CHEMTREC (US Transportation) :** (800) 424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

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

#### GHS LABEL



Exclamation  
 mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H316: Causes mild skin irritation.  
 H319: Causes serious eye irritation.  
 H303: May be harmful if swallowed.

#### PRECAUTIONARY STATEMENTS

##### Prevention:

P264: Wash hands, face and other affected areas thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### Response:

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

**SENSITIZATION:** Not a skin sensitizer.

**COMMENTS HEALTH:** Read all precautions of products being handled and follow the most restrictive language for all products to

Sovereign

provide the safest work environment.

**COMMENTS: KEEP OUT OF REACH OF CHILDREN.**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
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)	30.957	Mixture

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**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.

**INGESTION:** Immediately seek medical attention. Give large amounts of water and induce vomiting by touching the back of the throat with a finger, unless the victim is unconscious.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**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. For emergency medical assistance call **CHEMTREC 1-800-424-9300**.

### 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:** Pick up spilled liquid with absorbent material and sweep up for disposal. Place it and damaged unusable containers in a landfill appropriate for non hazardous chemical waste. Check local, state, and federal regulations for proper disposal.

#### 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 pesticide 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.

Sovereign

**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. 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

**ENGINEERING CONTROLS:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### 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 LD<sub>50</sub>:** Not Established

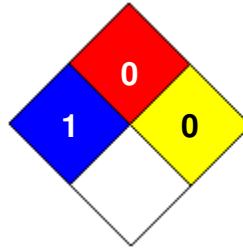
**ORAL LD<sub>50</sub>:** Not Established

**EYE EFFECTS:** May cause moderate eye irritation.

**SKIN EFFECTS:** May cause mild skin irritation.

### CARCINOGENICITY

Sovereign

**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:** 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:** No**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****REASON FOR ISSUE:** New SDS Format**NFPA CODES****GENERAL STATEMENTS: DISCLAIMER OF LIABILITY**

United Suppliers, Inc. makes no warranty, representation, or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity, and suitability of his own use, handling, and disposal of this product. Since actual use by others is beyond our control; no warranty, expressed or implied, is made by United Suppliers, Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of this product, nor does United Suppliers, Inc. assume liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process.