



# Safety Data Sheet

Report Date 16-Apr-15

Page 1 of 4

## 1. Identification

**Product Name** : ASSET RTU 50G  
**Synonyms** : None  
**Product Use** : Granular Fertilizer Additive and Micronutrients  
**Manufacturer/Supplier** : Helena Chemical Company  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

## 2. Hazard Identification

**Signal Word** : Warning (no symbol)  
**Skin Irritation** : Skin contact causes mild irritation.  
**Eye Irritation** : Eye contact causes irritation.  
**Acute Toxicity Oral** : Ingestion may result in vomiting and abdominal cramps.  
**Acute Toxicity Dermal** : May be harmful by skin absorption.

**Hazard Categories** : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2B; Skin Irritation 3

**Hazard Statement** : May be harmful if swallowed  
May be harmful in contact with skin  
Causes eye irritation  
Causes mild skin irritation  
May be harmful if inhaled

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Carboxylic acids, metal EDTA chelates, sodium molybdate and clay granules.	Proprietary	100.00
GUARANTEED ANALYSIS:		
Boron (B): 0.02%		
Copper (Cu): 0.05%		
Iron (Fe): 0.10%		
Manganese (Mn): 0.05%		
Molybdenum (Mo): 0.0005		
Zinc (Zn): 0.10%		
The chelating agents is EDTA (ethylenediaminetetraacetic acid) or HEDTA (hydroxyethylendiaminetetraacetic acid). Also contains non-plant food ingredients - 6% mixed carboxylates.		

## 4. First Aid Measures

**Eye** : Immediately flush eyes with water, continuing for at least 15 minutes. Call a physician if irritation persists.

**Skin** : Remove contaminated clothing and wash skin with soap and water. Call a physician if irritation persists.

**Inhalation** : Move person to fresh air. Give artificial respiration if needed. See a physician.

**Ingestion** : Give a large amount of water to drink, induce vomiting and immediately call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

**Indication of Immediate Medical Attention and Special Treatment Needed** : Treat symptomatically. If there is contact made with the spray solution containing pesticides and/or spray adjuvants, follow the "Statement of Practical Treatment/First Aid" on the product(s) labeling.



## Safety Data Sheet

Report Date 16-Apr-15

Page 2 of 4

### 5. Fire Fighting Measures

- Extinguishing Media** : Use extinguishing media suitable for underlying cause of fire. If water spray is used, contain run off from fire fighting to prevent environmental contamination.
- Specific Hazards Arising from the Chemical** : Generates toxic and irritating fumes under fire conditions.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of the spill area.
- Protective Equipment** : Splashproof goggles or safety glasses, impervious gloves, impervious apron and footwear. Eyewash should be available in work area. Use NIOSH-approved respirator under fire conditions.
- Emergency Procedures** : Contain spilled product to prevent spillage into any waterways, lakes, streams, drains or ponds.
- Methods and Materials for Containment and Cleanup** : If uncontaminated, recover and reuse as product. If contaminated, sweep up or vacuum and place in a suitable recovery drum for proper disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Keep packages tightly closed and do not allow water to be introduced to the container contents.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No information found
- Appropriate Engineering Controls** : Local exhaust sufficient.
- Personal Protective Equipment** : Splashproof goggles or safety glasses, impervious gloves, impervious apron and footwear. Eyewash should be available in work area. Use NIOSH-approved respirator under fire conditions.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Tan granules with low odor.
- Flash Point, °F** : Non-combustible
- Boiling Point, °F** : Not applicable
- Melting Point(Freezing point), °C** : Not applicable
- Vapor Pressure, mm Hg @ 20 °C** : Not applicable
- Vapor Density** : Not applicable
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 45-49 lbs/cu ft
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable
- Octanol/Water Partition Coefficient** : No information found
- pH** : 5.4-6.0 (5%)
- Flammable Limits (approximate volume % in air)** : Not applicable
- Auto-ignition Temperature** : Not applicable



## Safety Data Sheet

Report Date 16-Apr-15

Page 3 of 4

**Decomposition temperature** : No information found

### 10. Stability and Reactivity

**Reactivity** : No information found  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : May produce ammonia gas and oxides of carbon under fire conditions.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : None currently known  
**Incompatible Materials** : Product may react vigorously with acidic materials.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : No data available. Ingestion results in vomiting and abdominal cramps.  
**Acute Toxicity (Dermal LD50)** : No data available. May be harmful by skin absorption.  
**Acute Toxicity Inhalation LC50** : No data available. Inhalation may cause irritation to the nose and throat.  
**Likely Routes of Exposure** : Skin, eye, inhalation (dusts)  
**Skin Irritation** : Contact may cause skin irritation.  
**Eye Irritation** : Eye contact results in irritation (mechanical).  
**Skin Sensitization** : No information found  
**Carcinogenic** : No information found  
**Chronic Effects** : None currently known.  
**Other Hazards** : None currently known.

### 12. Ecological Information

**Ecotoxicity** : No information found  
**Persistence and Degradability** : No information found  
**Bioaccumulative Potential** : No information found  
**Mobility in Soil** : No information found  
**Other Adverse Effects** : Do not contaminate water supplies, lakes, streams, ponds or drains with this product.

### 13. Disposal Considerations

**Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information

**UN Proper Shipping Name** : Not regulated by DOT, IATA or IMDG.  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None  
**Environmental Hazards** : No information found  
**Transport in Bulk** : No information found  
**Special Precautions for Transportation** : No information found  
**Freight Classification** : Fertilizing Compound, (Manufactured Fertilizer), Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)



# Safety Data Sheet

Report Date 16-Apr-15

Page 4 of 4

## 15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 0 Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate( Acute) Health: Y  
Delayed (Chronic) Health: N  
Sudden Release of Pressure: N  
Fire: N  
Reactive: N

## 16. Other Information

Data of Preparation/Revision : 16-April-2015