



# MATERIAL SAFETY DATA SHEET

Date stamp: 30-Aug-2012

MSDS Ref. No.: E93034

Revision Number: 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Agrocote® 0-0-43.5  
**Description:** Controlled Release Fertilizer

**Company**  
Everris NA Inc.  
P.O. Box 3310  
Dublin, OH 43016

**24-HOUR EMERGENCY TELEPHONE NUMBERS:**  
CHEMTREC (U.S.): 1-800-424-9300  
CHEMTREC (International): 1-703-527-3887  
Non-Emergency Calls: 1-800-492-8255

**Formula No.:** S13546  
**Product Number(s):** E93034

## 2. HAZARDS IDENTIFICATION

**OSHA Regulatory Status:** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Labelling

**Signal word:** No signal word  
**Precautionary Statements:** Keep out of reach of children.

### Potential health effects

**Eye contact:** Contact with eyes may cause irritation.  
**Skin contact:** Irritation not expected.  
**Ingestion:** Considered practically non-toxic. Possible gastrointestinal tract irritation.  
**Inhalation:** Considered practically non-toxic. May cause irritation of respiratory tract.

**Aggravated Medical Conditions:** Inhalation may aggravate asthma.  
**Principle routes of exposure:** Skin

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS-No	Weight %
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	7778-80-5	60-100
Sulphur, S	7704-34-9	10-30

## 4. FIRST AID MEASURES

**Eye contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice

**Skin contact:** 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:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person

**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

## 5. FIRE-FIGHTING MEASURES

**Flammable properties:** Decomposes on heating.  
**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical, chemical foam  
**Explosion potential:** Dust clouds may be explosive.  
**Explosive properties:** No information available.  
**Hazardous combustion products:** Combustion can produce toxic fumes and irritating gases.  
**Fire fighting procedures:** Select appropriate method to surround and extinguish fire

**5. FIRE-FIGHTING MEASURES**

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Wear personal protective equipment  
**Environmental precautions:** Prevent product from entering drains  
**Methods for containment:** Use good housekeeping practices. Clean up promptly by sweeping or vacuum.  
**Methods for cleaning up:** If material is uncontaminated, collect and reuse as recommended for product.

**7. HANDLING AND STORAGE**

**Handling:** Avoid container breakage

**Storage:** Keep containers tightly closed in a cool, well-ventilated place

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ingredients	ACGIH:	OSHA:
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	Not Listed	Not Listed
Sulphur, S	Not Listed	Not Listed

**Engineering controls** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard

**Personal Protective Equipment**

**Eye/face protection** Eye/face protection is not required, but is recommended in manufacturing situations where contact may occur.

**Skin and body protection:** Wear suitable protective clothing if contact is anticipated during manufacturing. If skin irritation occurs, use natural rubber gloves, durable cloth or impervious rubber gloves if contact with product is possible.

**Respiratory protection:** If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection, e.g., NIOSH/MSHA approved respirator for dusts, mists, and fumes

**General hygiene considerations:** Wash hands before breaks and immediately after handling the product

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Solid	<b>Color:</b>	Orange
<b>Flash point:</b>	Not applicable	<b>Appearance:</b>	Granular
<b>Odor:</b>	Earthy		

**10. STABILITY AND REACTIVITY**

**Chemically Stable:** Yes  
**Conditions to avoid** Damp or wet conditions. Extreme heat.  
**Materials to avoid:** Oxidizing agent.  
**Hazardous decomposition products:** Toxic fumes and gases may be generated. Metal oxides possible.  
**Possibility of hazardous reactions:** Poses little or no immediate hazard.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

**Eye effects:** Contact with eyes may cause irritation  
**Skin effects:** May cause skin irritation and/or dermatitis

**Chronic toxicity**

**Carcinogenic effects:** The table below indicates whether each agency has listed any ingredient as a carcinogen .

Ingredients	NTP:	IARC:	OSHA:
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	Not listed	Not listed	Not listed
Sulphur, S	Not listed	Not listed	Not listed

**General Information**

Very low toxicity for humans and animals

**Ingestion:**

Health injuries are not known or expected under normal use

**Inhalation:**

Health injuries are not known or expected under normal use

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects:**

No data is available on the product itself.

**Persistence and degradability:**

Inherently biodegradable. Non-persistent.

**Bioaccumulative potential:**

Does not bioaccumulate.

**Mobility:**

Water contaminating.

**Aquatic toxicity:**

May be beneficial to plant life.

**Additional ecological information:**

Do not apply directly to lakes, streams, or ponds.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Methods:**

Apply as fertilizer to field. Dispose of in accordance with local regulations and national regulations.

**Contaminated packaging:**

Do not re-use empty containers. If empty, place in trash or offer for recycling if available.

**14. TRANSPORT INFORMATION**

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

**DOT (Land)**

Not DOT regulated

**DOT (AIR)**

Not DOT regulated

**DOT (Vessel)**

Not DOT regulated

**15. REGULATORY INFORMATION**

Ingredients	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	7778-80-5	Not Listed	Not Listed
Sulphur, S	7704-34-9	Not Listed	Not Listed

**General Information**

Contact local authorities for disposal of large quantities of product

**16. OTHER INFORMATION****NFPA:** Health: 1 Flammability: 0 Reactivity: 0**HMIS:** Health: 1 Flammability: 0 Reactivity: 0**Hazard Rating:** 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe

**General comment:** This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

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