



# Safety Data Sheet

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Version: 4

## 1. IDENTIFICATION

### Product identifier

**Product Name:** Osmocote ® 14-14-14; 3-4M  
**Product Number(s):** A90550  
**Formula No.:** S11014

**Description:** Controlled release fertilizer

### Recommended use of the chemical and restrictions on use

Restricted to professional users

### 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

## 2. HAZARD(S) IDENTIFICATION

Serious eye damage/eye irritation

Category 2

### Label Elements:

#### **Warning**

#### **Hazard Statements:**

Causes serious eye irritation



**Appearance:** Granules

**Physical state** Solid

**Odor:** Fertilizer

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear eye protection/ face protection

#### **Precautionary Statements - Response**

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

#### **Hazards Not Otherwise Classified (HNOC):**

Not applied

#### **Other Information**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%	Trade Secret
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	30 - 40%	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

#### Description of first aid measures

<b>Eye Contact:</b>	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.
<b>Skin Contact:</b>	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.
<b>Inhalation</b>	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.
<b>Ingestion:</b>	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.

#### Indication of any immediate medical attention and special treatment needed

**Notes to Physician:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media:</u></b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Water spray. Chemical foam.
<b><u>Unsuitable Extinguishing Media:</u></b>	High volume water jet.
<b><u>Specific hazards:</u></b>	no data available.
<b><u>Hazardous Combustion Products</u></b>	Combustion can produce toxic fumes and irritating gases.
<b><u>Explosion Data:</u></b>	
<b>Sensitivity to Mechanical Impact:</b>	no data available.
<b>Sensitivity to Static Discharge:</b>	no data available.
<b><u>Special Protective Equipment for Firefighters:</u></b>	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions:</b>	Wear personal protective equipment.
<b>Environmental precautions:</b>	Prevent product from entering drains.

#### Methods and material for containment and cleaning up

<b>Methods for containment:</b>	Follow good housekeeping practices.
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**Methods for Cleanup:** If material is uncontaminated, collect and reuse as recommended for product.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling:** Avoid container breakage.

### Conditions for safe storage, including any incompatibilities

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash. Showers.

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** Wear safety glasses with side shields (or goggles).

**Hand Protection** Neoprene gloves.

**Skin and body protection** Lightweight protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** Solid  
**Color:** tan, Brown  
**Appearance:** Granules  
**Odor:** Fertilizer

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH:</b>	No data available	
<b>Melting Point/Freezing Point:</b>	Not applicable	
<b>Boiling Point/Range:</b>	No data available	
<b>Flash Point:</b>		
<b>Evaporation Rate:</b>	no data available	
<b>Flammability (solid, gas):</b>	No data available	
<b>Flammability Limits in Air:</b>		
<b>Upper Flammability Limit:</b>	No data available	
<b>Lower Flammability Limit:</b>	No data available	
<b>Vapor Pressure:</b>	No data available	
<b>Vapour density</b>	No data available	
<b>Relative density</b>	no data available	

**Solubility:** no data available  
**Solubility in other Solvents:** no data available  
**Partition Coefficient:** no data available  
**Autoignition Temperature:** No data available  
**Hyphen** no data available  
**Kinematic Viscosity:** No data available  
**Dynamic Viscosity:** no data available  
**Explosive Properties:** Doesn't present explosion hazard  
**Oxidizing Properties:** no data available

**Other information**

**Softening Point:** no data available  
**Molecular Weight:** no data available  
**VOC content** No data available  
**Density:** no data available  
**Bulk density:** 50-65 lbs/cu.ft.

**10. STABILITY AND REACTIVITY**

**Reactivity:**  
 Stable under recommended storage conditions

**Chemically Stable:** Stable under recommended storage conditions.

**Conditions to Avoid:** Protect from extremes of temperature.

**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**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.  
**Eye contact** Specific test data for the substance or mixture is not available.  
**Skin Contact** Specific test data for the substance or mixture is not available.  
**Ingestion** Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** no data available.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document: mg/kg

**Unknown Acute Toxicity:** no data available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	= 2217 mg/kg ( Rat )	> 5000 mg/kg ( Rat )	> 88.8 mg/L ( Rat ) 4 h

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:**

Skin corrosion/irritation no data available.

Serious eye damage/eye irritation no data available.

Respiratory or skin sensitization no data available.

Germ Cell Mutagenicity no data available.

Carcinogenicity no data available.

Chemical name	ACGIH	IARC	NTP	OSHA
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	-	Group 2A	-	X

Reproductive Toxicity no data available.

STOT - Single Exposure no data available.

STOT - Repeated Exposure no data available.

Aspiration Hazard no data available.

**12. ECOLOGICAL INFORMATION***The environmental impact of this product has not been fully investigated.*

Persistence and Degradability: no data available.

Bioaccumulation No information available.

Chemical name	Partition coefficient
Ammonium nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2	-3.1

Other adverse effects No information available.

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

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Do not reuse container.

**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 regulated

DOT (AIR)	Not regulated
DOT (Vessel)	Not regulated
IATA (Air)	Not regulated
IMO/IMDG (Vessel)	Not regulated

## 15. REGULATORY INFORMATION

### Federal Regulations:

#### **SARA 313:**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories:**

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### **CWA (Clean Water Act):**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA:**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **California Proposition 65:**

This product does not contain any Proposition 65 chemicals

#### **U.S. State Right-to-Know Regulations:**

**State Regulations (RTK):** no data available

#### **U.S. EPA Label information:**

**EPA Pesticide Registration Number:** Not applied

## 16. OTHER INFORMATION

**NFPA:** Health hazards 3 Flammability 0 Reactivity: 0

**HMIS:** Health hazards - Flammability 0 Reactivity: 0

**Prepared by** Regulatory Affairs Department

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**Reason for revision** \*\*\* Indicates changes since the last revision. This version replaces all previous versions

#### **Disclaimer**

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**End of Safety Data Sheet**