

# Safety Data Sheet

Issue Date: 01-May-2014

Revision Date: 12-May-2016

Version: 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Name:** Osmocote 14-14-14  
**Product Code:** E76040225ED  
**Synonyms:** Osmocote 14-6.1-11.6

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use:** Fertilizer. Restricted to professional users.  
**Uses Advised Against:** Consumer use.

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Everris International BV  
 Nijverheidsweg 1-5; 6422 PD Heerlen (NL); Tel: +31 (0) 45-5609100; Fax: +31 (0) 45-5609190

#### For further information, please contact

INFO-MSDS@EVERRIS.COM

### 1.4. Emergency telephone number

IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24h)

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Mixture

*Regulation (EC) No 1272/2008*

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

### 2.2. Label elements

#### Product Identifier:

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

#### Signal Word:

None

EUH210 - Safety data sheet available on request

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Ingredients	EC-No.	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub>	229-347-8	6484-52-2	25 - 40%	Eye Irrit. 2 (H319) Ox. Sol. 3 (H272)	01-2119490981-27

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General Advice:</b>	First aid measures should be executed by trained personnel only.
<b>Inhalation:</b>	Dusty conditions are unlikely if product is used as intended. However, if prolonged inhalation of dust occurs, remove casualty to fresh air. If symptoms persist, call a physician.
<b>Skin Contact:</b>	If a person feels unwell or symptoms of skin irritation appear, consult a physician. Rinse with plenty of water.
<b>Eye Contact:</b>	Rinse eyes with water as a precaution. If eye irritation persists, consult a specialist.
<b>Ingestion:</b>	If conscious, drink plenty of water. Do NOT induce vomiting. Rinse mouth. Consult a physician if necessary.
<b>Protection of First-Aiders:</b>	Low hazard for usual industrial or commercial handling.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	None under normal processing
------------------	------------------------------

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

<b>Notes to Physician:</b>	None under normal processing.
----------------------------	-------------------------------

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

#### **Suitable extinguishing media:**

Coordinate fire extinguishing measures to fire in surrounding area. Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

#### **Unsuitable extinguishing media:**

High volume water jet.

### 5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### 5.3. Advice for firefighters

Coordinate fire extinguishing measures to fire in surrounding area.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

<b>Personal Precautions:</b>	Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment. Wear personal protective equipment.
<b>For Emergency Responders:</b>	Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Prevent product from entering drains. Do not contaminate surface water.

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

<b>Methods for Containment:</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleanup:</b>	Shovel or sweep up. Do not create a powder cloud by using a brush or compressed air. Prevent product from entering drains.

**6.4. Reference to other sections**

§ 8, 12, 13.

**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

**7.2. Conditions for safe storage, including any incompatibilities**

Technical measures/storage conditions:

Keep away from heat and sources of ignition. Keep away from food, drink and animal feeding stuffs. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well. Keep at temperatures between 0 °C and 40 °C.

LGK (Germany)

Packaging Materials:

Exempt  
Bags or Bulk.**7.3. Specific end use(s)**

Specific use(s)

Fertilizer; Read and follow label instructions; www.everris.com

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters***Ammonium Nitrate; NH<sub>4</sub>NO<sub>3</sub>*

Australia TWA	N.A.
Czech Republic OEL	10.0 mg/m <sup>3</sup> TWA

**Derived No Effect Level (DNEL)**

No data available

**Predicted No Effect Concentration (PNEC)**

No data available.

**8.2. Exposure controls****Engineering Measures to Reduce Exposure:** Ensure adequate ventilation, especially in confined areas.**Personal protective equipment**

Eye/Face Protection: Tightly fitting safety goggles

Hand protection: Nitrile rubber (0.26 mm). Break through time. > 8 h.

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Skin and Body Protection: Lightweight protective clothing

Hygiene Measures: Follow good housekeeping practices. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

**Physical State:** Solid

**Appearance:** granules

**Color:** brown.

**Odor:** Not significant

**Bulk density:** 1017 - 1157 kg/m<sup>3</sup>

**pH:** no data available

**Melting Point/Freezing Point:** no data available

**Boiling Point/Range:** Solid, Not Applicable

<b>Flash Point:</b>	Solid, Not Applicable
<b>Evaporation Rate:</b>	Solid, Not Applicable
<b>Flammability (solid, gas):</b>	Non-flammable
<b>Vapor Pressure:</b>	Solid, Not Applicable
<b>Vapor Density:</b>	Solid, Not Applicable
<b>Specific Gravity:</b>	no data available
<b>Water Solubility:</b>	Soluble in water
<b>Solubility(ies)</b>	no data available
<b>Partition Coefficient:</b>	Solid, Not Applicable
<b>Autoignition Temperature:</b>	Not Applicable
<b>Decomposition Temperature:</b>	no data available
<b>Explosive Properties:</b>	Doesn't present explosion hazard. Based on data of ingredients.

**9.2. Other information**

Not applicable

**Section 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Not reactive.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions****Hazardous Decomposition Products:**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Possibility of Hazardous Reactions:**

None under normal processing.

**10.4. Conditions to avoid**

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

**10.5. Incompatible materials**

Strong oxidizing agents. Acids and bases. Strong reducing agents. Flammable materials. Keep away from catalysts like derivatives of hexavalent chromium and metal halides. Keep away from flammable products (fuels) like charcoal, wood, flour, soot etc.

**10.6. Hazardous decomposition products**

None under normal processing.

**Section 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Acute Toxicity****Product Information:****Inhalation:**

May cause irritation of respiratory tract.

**Eye Contact:**

May cause irritation.

**Skin Contact:**

May cause irritation.

**Ingestion:**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Unknown Acute Toxicity:**

0% of the mixture consists of ingredient(s) of unknown toxicity.

**Component Information:**

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub>	= 2217 mg/kg ( Rat )		> 88.8 mg/L ( Rat ) 4 h

**Skin Corrosion or Irritation**

See also section 3.

**Serious Eye Damage or Eye Irritation**

See also section 3.

**Sensitization**

See also section 3.

**Mutagenic effects**

See also section 3.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

**Reproductive Toxicity****Teratogenicity****STOT - Single Exposure****STOT - Repeated Exposure****Aspiration Hazard**

No known effects under normal use conditions.

No known effects under normal use conditions.

None under normal use conditions.

None under normal use.

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

Do not allow product to enter the environment uncontrolled.

6% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

Ingredients	LOGPOW
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub>	-3.1

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available

## Section 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods****Disposal of Wastes:**

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

**Contaminated Packaging:**

Do not re-use empty containers. Dispose of as unused product.

**Other Information:**

Use up product completely. Packaging material is industrial waste.

## Section 14: TRANSPORT INFORMATION

**IMO / IMDG****14.1****UN-No:**

Not regulated

**14.2****Proper shipping name:**

Not regulated

**14.3****Hazard Class:**

Not regulated

**14.4****Packing group:**

Not regulated

**14.5****Marine Pollutant:**

Not regulated

**14.6****Special Provisions**

None

**14.7**

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not regulated

ADR/RID	
14.1	
UN-No:	Not regulated
14.2	
Proper shipping name:	Not regulated
14.3	
Hazard Class:	Not regulated
14.4	
Packing group:	Not regulated
14.5	
Environmental Hazard	Not regulated
14.6	
Special Provisions	None

IATA	
14.1	
UN-No:	Not regulated
14.2	
Proper shipping name:	Not regulated
14.3	
Hazard Class:	Not regulated
14.4	
Packing group:	Not regulated
14.5	
Environmental Hazard	Not regulated
14.6	
Special Provisions	None

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2 ( 25 - 40% )	Use restricted. See item 58. (Conditions of restrictions 27 June 2010)

#### National regulations

##### Belgium

Component	Belgium - Major Accidents - Qualifying Quantities for Safety Reporting	Belgium - Major Accidents - Qualifying Quantities for Accident Prevention
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2 ( 25 - 40% )	2500 tonne (Note 3, applies to Ammonium nitrate in which the Nitrogen content due to Ammonium nitrate is >28% by weight containing ≤0.2 % combustible material, >24.5% and <28% by weight containing ≤0.4% combustible material and to aqueous Ammonium nitrate solutions in which the concentration of Ammonium nitrate is >80% by weight)	350 tonne (Note 3, applies to Ammonium nitrate in which the Nitrogen content due to Ammonium nitrate is >28% by weight containing ≤0.2 % combustible material, >24.5% and <28% by weight containing ≤0.4% combustible material and to aqueous Ammonium nitrate solutions in which the concentration of Ammonium nitrate is >80% by weight)

##### Denmark

Danish Sikkerhedsgruppe

Not regulated

##### France

ICPE

Classified installation: article 1331 (Type III)

Germany

Gefahrstoffverordnung (Germany) TRGS 511

LGK (Germany)

Water Endangering Class (WGK):

C III

Exempt

1 (Everris classification )

Component	German WGK Section
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2 ( 25 - 40% )	class 1

**European Union**

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

**15.2 Chemical safety assessment**

Not required. Substance(s) usage is covered according to Reach regulation 1907/2006.

**Section 16: OTHER INFORMATION****Full text of H-Statements referred to under sections 2 and 3**

H319 - Causes serious eye irritation

H272 - May intensify fire; oxidizer

**Key or legend to abbreviations and acronyms used in the safety data sheet**

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

ICAO: International Civil Aviation Organization

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PNEC: Predicted No Effect Concentration

DNEL: Derived No-Effect Level

Reach: Registration, Evaluation, authorization of Chemicals

CLP: EU-GHS; Classification, Labelling and Packaging

OEL: Occupational Exposure Limit

TWA: Time Weighted Average

ATE: Acute Toxicity Estimate

EUH statement: CLP (EU) specific hazard statement.

**Classification procedure:**

- Calculation method
- Expert judgment and weight of evidence determination

**Key literature references and sources for data**

According to EC Regulation 1907/2006 (Reach), Regulation EU No. 2015/830. Regulation (EC) No 1272/2008.

**Prepared by:**

Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

**Issue Date:**

01-May-2014

**Revision Date:**

12-May-2016

**Reason for revision:**

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

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

This information contained herein is, to the best of Everris' knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Everris shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Everris shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

**End of Safety Data Sheet**