



Safety Data Sheet

Revision Date 24-Aug-2016

Version: 1

1. IDENTIFICATION

Product Identifier:

Product Name: Osmocote® Blue-Max 2-3M
Product Number(s): A901900
Formula No.: S20206

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

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation

Category 1

Label Elements:

Danger

Hazard Statements:

Causes serious eye damage



Appearance: no data available

Physical State: Solid

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician

Hazards Not Otherwise Classified (HNOC):

Not applied

Other Information

May be harmful in contact with skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	Trade Secret
Aluminum sulfate; AlSO_4	10043-01-3	90 - 100%	*

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

4. FIRST-AID MEASURES

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:	Call a poison control center or doctor for treatment advice. Take off contaminated clothing. Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a POISON CENTER or doctor.
Ingestion:	Call a physician or Poison Control Centre immediately. Do not induce vomiting without medical advice. Never 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

<u>Suitable Extinguishing Media:</u>	Carbon dioxide (CO_2). Dry chemical. Water spray. Chemical foam.
<u>Unsuitable Extinguishing Media:</u>	High volume water jet.
<u>Specific hazards:</u>	Dust may form explosive mixture in air.
<u>Hazardous Combustion Products:</u>	Combustion can produce toxic fumes and irritating gases.
<u>Explosion Data:</u>	
Sensitivity to Mechanical Impact:	no data available.
Sensitivity to Static Discharge:	no data available.
<u>Special Protective Equipment for Firefighters:</u>	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:

Personal Precautions:	Wear personal protective equipment. Avoid contact with skin and eyes.
Environmental precautions:	Prevent product from entering drains. Avoid subsoil penetration.
<u>Methods and Material for Containment and Cleanup:</u>	
Methods for containment:	Follow good housekeeping practices.

Methods for Cleanup: Shovel or sweep up. Neutralise with lime milk or soda and flush with plenty of water. Prevent product from entering drains.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Avoid dust formation. Avoid container breakage. Do not get in eyes. Avoid contact with skin. Keep out of lakes, streams or ponds. Keep out of reach of children and pets.

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

Physical and Chemical Properties:

Physical State: Solid
Color: light yellow
Appearance: granulate
Odor: Fertilizer

<u>Property</u>	<u>Values</u>
pH:	no data available
Melting Point/Freezing Point:	no data available
Boiling Point/Range:	no data available
Flash Point:	
Evaporation Rate:	no data available
Flammability (solid, gas):	no data available
Flammability Limits in Air:	
Upper Flammability Limit:	no data available
Lower Flammability Limit:	no data available

Remarks: • Method

Vapor Pressure:	no data available
Vapour density	no data available
Relative density	no data available
Solubility:	no data available
Solubility in other Solvents:	no data available
Partition Coefficient:	no data available
Autoignition Temperature:	no data available
Decomposition Temperature:	no data available
Kinematic Viscosity:	no data available
Dynamic Viscosity:	no data available
Explosive Properties:	no data available
Oxidizing Properties:	Not considered an oxidizer

Other Information:

Softening Point:	no data available
Molecular Weight:	no data available
VOC Content (%):	no data available
Density:	no data available
Bulk density:	no data available

10. STABILITY AND REACTIVITY

<u>Reactivity:</u>	Stable under normal conditions
<u>Chemically Stable:</u>	Yes.
<u>Conditions to Avoid:</u>	Protect from extremes of temperature.
<u>Materials to avoid</u>	Oxidizing agent.
<u>Hazardous Decomposition Products:</u>	Toxic fumes and gases may be generated. Metal oxides possible.
<u>Possibility of Hazardous Reactions:</u>	Poses little or no immediate hazard.

11. TOXICOLOGICAL INFORMATION

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

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.

Information on Toxicological Effects

Symptoms	no data available.
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Numerical Measures of Toxicity

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

Dermal LD50	2,594.00 mg/kg
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Unknown Acute Toxicity:	no data available
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Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Aluminum sulfate; AlSO ₄ 10043-01-3	>4600 mg/kg (Rat)	= 2335 mg/kg (Rat)	-
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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.
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.

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Aluminum sulfate; AlSO ₄ 10043-01-3	-	27.9: 96 h Pimephales promelas mg/L LC50 static 37: 96 h Gambusia affinis mg/L LC50 static 100: 96 h Carassius auratus mg/L LC50	-	136: 15 min Daphnia magna mg/L EC50

Persistence and Degradability:	no data available.
Bioaccumulation:	no data available.
Mobility:	Water contaminating.

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).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	Clean Water Act - Priority Pollutants	Clean Water Act - Hazardous Substances
Aluminum sulfate; AlSO ₄ 10043-01-3	-	-	-	Present

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.

Chemical name	CERCLA/SARA 313	CERCLA/SARA RQ
Aluminum sulfate; AlSO ₄ 10043-01-3	5000 lb final RQ 2270 kg final RQ	-

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: 2 Flammability: 0 Reactivity: 1

HMIS: Health: 2 Flammability: 0 Reactivity: 1

Prepared by

Regulatory Affairs Department

Revision Date

24-Aug-2016

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