Safety Data Sheet

Issue Date: no data available **Revision Date:** 24-Apr-2017 **Version:** 1.01

1. IDENTIFICATION

Product Identifier:
Product Name: Gemini Granular
Product Number(s): E95765
Formula No.: S16194

Recommended Use of the Chemical and Restrictions on Use:
Description: Herbicide

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

EPA Registration No.: 58185-180

2. HAZARD(S) IDENTIFICATION

This product is regulated by the Environmental Protection Agency (EPA). For label precautionary text, see Section 15.

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

Eye Irritation	Category 2B

Label Elements:

Warning

Hazard Statements:
CAUSES EYE IRRITATION

Appearance: Mini granules **Physical State:** Solid Granular **Odor:** Faint Amine-like odor

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Wear eye/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 Applicable

Other Information:
Unknown Acute Toxicity:

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Prodiamine	29091-21-2	<1	*
Isoxaben	82558-50-7	<1	*

* 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: 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.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferabley by mouth-to-mouth, if possible. Call a poison control center or doctor for further 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 be 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

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical, chemical foam. Coordinate fire extinguishing measures to fire in surrounding area.

Unsuitable extinguishing media: High volume water jet.

Specific hazards: No information available.

Explosion Data:

Sensitivity to Mechanical Impact:
no data available.
Sensitivity to Static Discharge:
no data available.

Special Protective Equipment for Firefighters: 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.

Environmental Precautions: Do not flush into surface water or sanitary sewer system. This product may be toxic to fish. Keep out of lakes, streams or ponds. Avoid subsoil penetration.

Methods and Material for Containment and Cleanup:

Methods for containment: Control spill with dykes and absorb with inert absorbant material.

Methods for Cleanup: Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Do not mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur. 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 None under normal use conditions.

Individual Protection Measures, Such as Personal Protective Equipment:

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

Skin and body protection Long-sleeved shirt and long pants. Wear suitable protective clothing. Shoes plus socks.

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 Granular
Color: Tan to Grey
Odor: Faint Amine-like odor
Odor Threshold: No information available

Property	Values	Remarks: • Method
pH:	6.69 (1% w/v) at 25°C	
Melting Point/Freezing Point:	No information available	
Boiling Point/Range:	No information available	
Flash Point:	No information available	
Evaporation Rate:	No information available	
Flammability (solid, gas):	No information available	
Flammability Limits in Air:		
Upper Flammability Limit:	No information available	
Lower Flammability Limit:	No information available	
Vapor Pressure:	No information available	
Vapor Density:	No information available	
Specific Gravity:	No information available	
Solubility:	No information available	
Solubility in other Solvents:	No information available	

Partition Coefficient:	No information available
Autoignition Temperature:	No information available
Decomposition Temperature:	No information available
Kinematic Viscosity:	No information available
Dynamic Viscosity:	No information available
Explosive Properties:	No information available
Oxidizing Properties:	No information available

Other Information:

Softening Point:	No information available
Molecular Weight:	No information available
VOC Content (%):	No information available
Density:	No information available
Bulk density:	.89 g/ml (pour), .972 g/ml (tap)

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions

Chemically Stable: yes.

Conditions to Avoid: Extreme heat.

Materials to avoid Oxidizing agent.

Hazardous Decomposition Products: No information available.

Possibility of Hazardous Reactions: None under normal processing.

11. TOXICOLOGICAL INFORMATION

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

Product Information

Inhalation	LC50>2.18 mg/L (rat, OPPTS 870.1200).
Eye contact	Mild Irritant (rabbit, OPPTS 870.1300).
Skin Contact	No irritation (rabbit, OPPTS 870.2500).
Ingestion	LD50 >5000 mg/kg (rat, OPPTS 870.1100).

Information on Toxicological Effects:

Symptoms No information available.

Numerical Measures of Toxicity

Acute Toxicity

Oral LD50	>5000 mg/kg
Dermal LD50	>5000 mg/kg

Unknown Acute Toxicity:

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Prodiamine 29091-21-2	= 15380 mg/kg (Rat)	> 2 g/kg (Rat)	-

Isoxaben 82558-50-7	> 10 g/kg (Rat)	> 200 mg/kg (Rabbit)	-

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

skin corrosion/irritation No classification is proposed, based on conclusive negative data.

Serious eye damage/eye irritation Irritating to eyes.

Respiratory or skin sensitization Did not cause sensitization on laboratory animals.

Germ Cell Mutagenicity No information available.

Carcinogenicity No information available.

Reproductive Toxicity No information available.

STOT - Single Exposure No information available.

STOT - Repeated Exposure No information available.

Aspiration Hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity The environmental impact of this product has not been fully investigated.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Disposal of Wastes: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be used according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

Contaminated Packaging: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 regulated

DOT (Vessel)	Not regulated
IATA (Air)	UN 3077, Environmentally Hazardous Substances, Solid, N.O.S. (Prodiamine, Isoxaben), 9, PGIII, Marine Pollutant
IMO/IMDG (Vessel)	UN 3077, Environmentally Hazardous Substances, Solid, N.O.S. (Prodiamine, Isoxaben), 9, PGIII, Marine Pollutant

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.

State Regulations (RTK):

California Proposition 65:
This product does not contain any Proposition 65 chemicals.

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

U.S. EPA Label information:

EPA Pesticide Registration Number: 58185-180

EPA Statement:	This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:.
EPA Pesticide label:	CAUTION. KEEP OUT OF REACH OF CHILDREN. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

16. OTHER INFORMATION

NFPA:	**Health:** 2	**Flammability:** 0	**Reactivity:** 0
HMIS:	**Health:** ---	**Flammability:** ---	**Reactivity:** ---

Revision Date: 24-Apr-2017
Revision Note:
Reason for revision: None
Disclaimer

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End of Safety Data Sheet