



# 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, preferably 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 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

- 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:

<b>Physical State:</b>	Solid Granular	<b>Odor:</b>	Faint Amine-like odor
<b>Color:</b>	Tan to Grey		
<b>Odor Threshold:</b>	No information available		

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

<b>skin corrosion/irritation</b>	No classification is proposed, based on conclusive negative data.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.
<b>Respiratory or skin sensitization</b>	Did not cause sensitization on laboratory animals.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The environmental impact of this product has not been fully investigated.
<b>Persistence and Degradability:</b>	No information available.
<b>Bioaccumulation:</b>	No information available.
<b>Mobility:</b>	No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:**

<b>Disposal of Wastes:</b>	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.
<b>Contaminated Packaging:</b>	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.

<b>DOT (Land)</b>	Not DOT regulated
<b>DOT (AIR)</b>	Not regulated

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

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	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**

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**