



Safety Data Sheet

Issue Date: no data available

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Version: 1.02

1. IDENTIFICATION

Product Identifier:

Product Name: Gemini™ 3.7 SC
Product Number(s): E95224

Recommended Use of the Chemical and Restrictions on Use:

Description: Herbicide

Company:

Everris NA Inc.
P.O. Box 3310
Dublin, OH 43016
EPA Registration No.: 53883-325-58185

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

OSHA Regulatory Status:

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

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Carcinogenicity:	Category 2

Label Elements:

Emergency Overview

Warning

Hazard Statements:

HARMFUL IF INHALED
Suspected of causing cancer



Appearance: liquid

Physical State: No information available

Odor: mild

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF INHALED: Call a POISON CENTER or doctor if you feel unwell

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Hazards Not Otherwise Classified (HNOC):**Other Information:****3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS-No	Weight %	Trade Secret
Prodiamine	29091-21-2	23.3	*
N-(3-(1-Ethyl-1-methylpropyl)-1,2-oxazol-5-yl)-2,6-dimethoxybenzamide	82558-50-7	15.5	*
Propylene glycol	57-55-6	5	*

* 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 fog, CO2, Foam, dry chemical.

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: Use personal protective equipment. Do not breathe vapors/dust.

Environmental Precautions: This product is toxic to fish. Keep out of lakes, streams or ponds. Ensure that the disposal is in compliance with federal requirements and state or local regulations.

Methods and Material for Containment and Cleanup:

Methods for containment: Absorb with inert material and dispose of in accordance with label instructions.
Methods for Cleanup: Scrub area with a hard water detergent. Remove any contaminated soil. Place in closed, labeled containers and store in a safe place until disposed. Do not contaminate water while cleaning equipment or disposing of wastes.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling. Do not contaminate water while cleaning equipment. this product is toxic to fish. Keep out of lakes, streams or ponds. Use proper protective equipment to minimize exposure.

Conditions for Safe Storage, Including any Incompatibilities:

Storage: Store in original container in a safe place. Store away from feed or food stuffs. Store material in a well-ventilated, secure area out of reach of children and domestic animals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Exposure Guidelines:

Ingredients	CAS-No	ACGIH:	OSHA:	IDLH:
Prodiamine	29091-21-2	Not Listed	Not Listed	Not Listed
N-(3-(1-Ethyl-1-methylpropyl)-1,2-oxazol-5-yl)-2,6-dimethoxybenzamide	82558-50-7	Not Listed	Not Listed	Not Listed
Propylene glycol	57-55-6	Not Listed	Not Listed	Not Listed

Appropriate Engineering Controls:

Engineering Measures to Reduce Exposure: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/Face Protection: Safety glasses with side shields or goggles.

Skin and Body Protection: To reduce exposure potential when applying product, wear long-sleeved shirt, long pants, shoes, and socks.

Respiratory Protection: Not required if properly ventilated. In case of insufficient ventilation wear suitable respiratory equipment.

General hygiene considerations: Wash hands before breaks and immediately after handling the product. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. After handling this product, immediately remove PPE. Wash yourself thoroughly and change into clean clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties:

Physical State:	No information available	Appearance:	liquid
Color:	yellow	Odor	No information available
Odor:	mild	Threshold:	

<u>Property</u>	<u>Values</u>	<u>Remarks: • Method</u>
pH:	7.08 (1% solution in water)	
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:	1.138 g/cm ³ (9.50 lbs./gal) @ 24°C
Bulk density:	No information available

10. STABILITY AND REACTIVITY

<u>Reactivity:</u>	Stable under normal conditions
<u>Chemically Stable:</u>	yes.
<u>Conditions to Avoid:</u>	Strong oxidizing agents. Extreme heat.
<u>Materials to avoid</u>	Chlorinated compounds. Strong oxidizing agents.
<u>Hazardous Decomposition Products:</u>	May release irritating and toxic gases due to thermal decomposition.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

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

Eye effects: Mild eye irritation

Skin effects: Non-irritating to the skin

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

Inhalation: Harmful by inhalation.

Component Information:

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propylene glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	-

Information on Toxicological Effects:

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

Sensitization: No sensitization

Mutagenic effects Prodiamine: No mutagenic activity in general.
Isoxaben: In-vitro and animal genetic toxicity studies were negative

Carcinogenicity: Prodiamine: Benign thyroid tumors (rat). None observed (mouse). EPA classified prodiamine as Group C – Possible human carcinogen (1991)
Isoxaben: An increase in non-malignant liver tumors was observed with isoxaben in one of two species tested. EPA classified isoxaben as “Suggestive Evidence of Carcinogenic Potential (2005)”

Reproductive Toxicity Prodiamine: Fetal toxicity at high dose levels (rats); development and maternal toxicity observed at 1,000 mg/kg/day.
Isoxaben: No developmental or maternal toxicity was observed in either species at doses up to the limit dose of 1000 mg/kg/day. Isoxaben has been shown to interfere with reproduction in animal studies.

STOT - Single Exposure No information available.
STOT - Repeated Exposure No information available.
Target organ effects Prodiamine: Liver and thyroid.
Isoxaben: Liver and kidney.

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product Information:

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

ATEmix (oral): 82000 mg/kg
ATEmix (dermal): 85280 mg/kg
LD50/oral: >5000 mg/kg
LD50/dermal: >5050 mg/kg
LC50/inhalation: >2.19 mg/L/4 hr.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity effects: Practically non-toxic to birds and bees.

Persistence and degradability: Does not bioaccumulate. Persistent in soil.

Ingredients	LOGPOW
Propylene glycol 57-55-6	-1.07

Mobility: Low solubility in water. Sinks in water. Immobile in soil.

Additional ecological information: Environmental Hazards: At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of EPA.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Disposal of Wastes: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. .

Contaminated Packaging: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations. .

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
IATA (Air)	UN3082, Environmentally hazardous substance, liquid, n.o.s., (prodiamine), 9, PGIII
IMO/IMDG (Vessel)	UN3082, Environmentally hazardous substance, liquid, n.o.s., (prodiamine), 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:****U.S. State Right-to-Know Regulations:****U.S. EPA Label information:****EPA Pesticide Registration Number:**

53883-325-58185

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 May be harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing vapor. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

16. OTHER INFORMATION

NFPA: Health: 1 Flammability: 1 Reactivity: 0

HMIS: Health: 1 Flammability: 1 Reactivity: 0

Revision Date: 19-May-2015

Revision Note:

Reason for revision: None

Disclaimer

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End of Safety Data Sheet