



Product: PORTRAIT® GRANULES  
EPA Reg. No.: 62719-178-869  
Effective Date: 07/31/1999

## MATERIAL SAFETY DATA SHEET

Emergency Phone 800/535-5053

Size	Product Number	UPC Code
10 lb.	40610	0 49424 40610 4

**Note:** Be sure to compare the EPA registration number as given on the MSDS with the EPA registration number as given on the label as some products have had the active ingredients changed without a corresponding change in the UPC number or in the item description.

1. **INGREDIENTS:**

N-(3-(1-Ethyl-1-methylpropyl)-5-isoxazolyl)-2,6-dimethoxybenzamide and isomers (isoxaben)  
CAS No. 082558-53-7

2. **PHYSICAL DATA:**

BOILING POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY:	N/A
SOL. IN WATER:	Disperses in water
SPECIFIC GRAVITY:	N/A
APPEARANCE:	Light tan water Dispersible granule
ODOR:	Mild aromatic odor
pH(aqueous 50/50):	8.5 to 10.0

3. **FIRE AND EXPLOSION HAZARD DATA:**

FLASH POINT:	N/A
METHOD USED:	N/A
FLAMMABLE LIMITS:	LFL: 0.665 oz/cu. ft. UFL: N/A
AUTOIGNITION TEMPERATURES:	778°F - 778°F, 415°C - 420°C
EXTINGUISHING MEDIA:	Use water CO <sub>2</sub> or dry chemicals.
FIRE AND EXPLOSION HAZARDS:	Will emit toxic vapors as it burns.
FIRE-FIGHTING EQUIPMENT:	Wear full protective clothing and use self-contained breathing apparatus.

4. **REACTIVITY DATA:**

STABILITY (Conditions to avoid):	Do not store near heat or flame. Do not store in direct sunlight. Do not store at temperatures above 120°F.
INCOMPATIBILITY (Specific materials to avoid):	None known.
HAZARDOUS DECOMPOSITION PRODUCTS:	Will emit toxic vapors as it burns.
HAZARDOUS POLYMERIZATION:	Does not occur.

5. **ENVIRONMENTAL AND DISPOSAL INFORMATION:**

ENVIRONMENTAL DATA:	Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water or wetlands. Drift may result in reduced germination or emergence of nontarget plants adjacent to treated area.
ACTION TO TAKE FOR SPILLS:	Contain and sweep up material of small spills and dispose as waste. Large spills report to Infotrac at 800/535-5053 and DowElanco for assistance. Prevent runoff.
DISPOSAL METHOD:	Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility in accordance with applicable regulations.



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**6. HEALTH HAZARD DATA:**

Acute Exposure (Gallery® 75 Dry Flowable)

EYES: Rabbit, irritant  
SKIN: Rabbit, 5,000 mg/kg, no deaths or toxicity, irritant.  
INHALATION: This formulation is not considered to be an inhalation hazard due to low potential for aerosolization.  
INGESTION: Rat, 5,000 mg/kg, no deaths, reduced activity, leg weakness, and diarrhea.  
SENSITIZATION: Guinea pig, not a contact sensitizer.  
CHRONIC EXPOSURE (Isoxaben Technical): The following effects were reported in chronic, teratogenic, and reproductive toxicity studies in laboratory animals where experimental dosage levels and durations of exposure were far in excess of those likely to occur in humans.  
CHRONIC TOXICITY: Increased liver weight. Increased liver enzyme activity, liver cell enlargement, non-carcinogenic proliferative liver lesions. Increased kidney weights, chronic kidney tissue inflammation. Growth retardation and decreased survival. Increased blood sugar level.  
TERATOLOGY AND REPRODUCTION: Not teratogenic. Growth retardation and congenital abnormalities only at maternally toxic doses. No effects on reproductive performance.  
MUTAGENICITY: Not mutagenic in either bacterial or mammalian cells.  
CARCINOGENICITY: Not listed as a carcinogen or potential carcinogen by IARC, NCI/NTP, OSHA, or ACGIH. Not considered to be carcinogenic in lifetime feeding studies. EPA - Class C - possible human carcinogen (limited evidence from animal studies).  
SIGNS AND SYMPTOMS OF EXPOSURE: A macular rash occurred in one worker. Eye contact may result in irritation.  
PRIMARY ROUTES OF ENTRY: Skin and inhalation.

**7. FIRST AID:**

EYES: Immediately flush eyes with plenty of water. Call a physician if irritation develops.  
SKIN: Remove contaminated clothing and clean before reuse. Wash all exposed areas of skin with plenty of soap and water. Get medical attention if irritation develops or persists.  
INGESTION: Do not induce vomiting. Call a physician or Poison Control Center. If available, administer activated charcoal (6 - 8 heaping teaspoons) fulls with a large quantity of water. Immediately transport to a medical care facility and see a physician.  
INHALATION: Move individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, provide artificial respiration assistance (mouth-to-mouth) and call a physician immediately.  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No information available.

**8. HANDLING PRECAUTIONS:**

EXPOSURE GUIDELINE(S): Not established.  
VENTILATION: Good general ventilation should be sufficient for most conditions.  
RESPIRATORY PROTECTION: In enclosed spaces, wear NIOSH approved respirator for dust.  
SKIN PROTECTION: Use protective clothing such as coveralls, a long sleeved shirt, and impermeable gloves when handling this product.  
EYE PROTECTION: Use safety glasses.



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9. **ADDITIONAL INFORMATION:**

**SPECIAL PRECAUTIONS TO BE TAKEN**

**IN HANDLING AND STORAGE:** Keep out of reach of children. Causes eye irritation. Harmful if inhaled. Avoid ingestion, breathing dust or spray mist, and contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**NATIONAL FIRE PROTECTION ASSOCIATION**

(NFPA 704): Health: 2 Flammability: 2 Reactivity: 0

**SHIPPING REQUIREMENTS:**

DOT Hazard Class: Not regulated

MSDS Status: Revised 6/90

**REGULATORY INFORMATION:** (Not meant to be an all-inclusive-selected regulations presented.)

**NOTE:** The information herein is presented in good faith and believed to be accurate as the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

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