

PERMAGUARD™

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PERMAGUARD™

COMPANY IDENTIFICATION:

PROKōZ, Inc.
100 North Point Center E.
Suite 330
Alpharetta, GA 30022

2. COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredients	CAS No.	% Composition
Oxyfluorfen	42874-03-3	2.0%
Oryzalin	19044-88-3	1.0%

Active Ingredients	Chemical Name	Formula
Oxyfluorfen	2-Chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene	C ₁₅ H ₁₁ ClF ₃ NO ₄
Oryzalin	3,5-Dinitro-N',N'-dipropylsulfanilamide	C ₁₂ H ₁₈ N ₄ O ₆ S

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Causes moderate eye irritation. Avoid contact with eyes or clothing.

POTENTIAL HEALTH HAZARDS –

EYE – May cause eye irritation.

SKIN – May cause skin irritation.

INGESTION – May be harmful if swallowed.

MEDICAL CONDITIONS AGGRAVATED: Skin contact may cause allergic reaction in sensitive individuals. Persons with preexisting skin disorders or impaired respiratory function may be more susceptible to the effects of this product.

4. FIRST AID

IF IN EYES: 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. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

5. FIRE-FIGHTING MEASURES

Flash Point: N/A

Flammable Limits (LFL-UFL): N/A

Fire and Explosion Hazards: May form an explosive dust/air mixture.

Means of Extinction: Use carbon dioxide, or water spray or dry chemical.

Fire-Fighting Instructions: Evacuate area and flood with water.

Fire-fighting Equipment: Self-contained breathing apparatus with full face piece. For large fires wear full bunker gear.

Hazardous Combustion Products: May produce irritating gases and vapors in a fire.

6. ACCIDENTAL RELEASE MEASURES

Avoid dusting or misting conditions during cleanup. Do not allow to contaminate water supplies. After spill cleanup, flush area with water.

SMALL SPILL: If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose of according to the instructions in Section 13 of this MSDS.

LARGE SPILL: Extinguish all ignition sources and ventilate area. Cleanup personnel must wear protective clothing and respiratory protection.

Manufactured for:
PROKōZ, Inc.
100 North Point Center E.
Suite 330
Alpharetta, GA 30022

Emergency Phone: Chemtrec 800-424-9300
Effective Date: June 20, 2006
EPA Reg. No. 79676-20-72112

7. HANDLING AND STORAGE

Keep out of reach of children and animals. Do not use or store near water, heat, open flame or hot surfaces. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. Wash thoroughly after handling this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants.

PERSONAL PROTECTIVE EQUIPMENT: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other Handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as natural rubber \geq 14 mils
- Chemical-resistant footwear
- Protective eyewear
- Chemical-resistant headgear for overhead exposures
- Chemical-resistant apron (mixers and loaders)
- Under prolonged use, a dust filter and disposable protective garment are additionally recommended.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow granules

Odor: Musty

pH: 8.98

Flashpoint (PMA-4): N/A

Specific Gravity: 0.700 g/ml at 20°C

Solubility in Water: Soluble

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Protect from moisture and heat.

CHEMICAL STABILITY: Product is normally stable.

HAZARDOUS DECOMPOSITION PRODUCTS: Heat and fire may result in thermal decomposition and the release of irritating gases and vapors.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY

Oral LD₅₀ (rat, female): > 5,000 mg/kg

ACUTE DERMAL TOXICITY

Dermal LD₅₀ (rat): > 5,000 mg/kg

ACUTE INHALATION TOXICITY

Inhalation LC₅₀ (rat): > 2.03 mg/L

EYE IRRITANT

Rabbit – Moderately Irritating

SKIN IRRITATION

Rabbit – Non-Irritating

SENSITIZATION

Guinea Pig – Not a Contact Sensitizer

CARCINOGENICITY:

ACGIH: Not listed

IARC: Not listed

NTP: Not listed

OSHA: Not listed

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This pesticide is toxic to wildlife and fish. Use with care when applying in areas adjacent to any body of water. Apply this product only as specified on the label. Do not contaminate water by cleaning of equipment or disposal of wastes.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag 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

DOT PROPER SHIPPING NAME: Not regulated by DOT

DOT HAZARD CLASS OR DIVISION: N/A

DOT UN/NA NUMBER: N/A

DOT PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

MARINE POLLUTANT: Not Listed

15. REGULATORY INFORMATION

FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

OSHA HAZARD COMMUNICATION STANDARD STATUS:
Not Regulated

SARA Title III – Section 302 Extremely Hazardous Substances
Not Listed

SARA Title III – Section 311/312 Hazard Categories
Immediate

SARA Title III – Section 312 Threshold Planning Quantity
The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients
Oxyfluorfen, Oryzalin

CERCLA –
Not Listed

CALIFORNIA PROP 65 STATUS –
Not Listed

16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

DISCLAIMER:

PROKōZ, INC. believes the information and recommendations provided above to be accurate. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided above relates only to the specific product designated and may not be applicable where such product is used in combination with any other materials or in any process. Use of this product is regulated by the U.S. Environmental Protection Agency (EPA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Additionally, as the conditions and methods of use are beyond the control of PROKōZ, INC., PROKōZ expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.