

Material Safety Data Sheet

Effective Date: 27-FEB-2004  
Product: XL 2G (New Sub)

I. IDENTIFICATION

Chemical Name: Benefin and Oryzalin  
Chemical Family: Herbicide  
Formula: Not applicable, formulated mixture.  
Synonyms: None  
CAS Number: Not applicable, formulated mixture.  
EPA Number: 70506-45-38167

II. PHYSICAL DATA

Boiling Point: Not applicable  
Freezing Point: Not applicable  
Spec Gravity: Not determined  
Vapor Pressure: Not applicable  
Vapor Density: Not applicable  
Solubility: Not soluble in water  
Volatiles: Not determined  
Evaporation: Not applicable  
Melting Point: Not determined  
Appearance: Light yellow-orange granules, slight aromatic odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Benefin	1861-40-1	1.00	N/E	Skin & eye irritant
Oryzalin	19044-88-3	1.00	N/E	Skin & eye irritant
Inert ingredients, including crystalline silica (CAS No. 14808-60-7)		98.00	15 mg/kg	Nuisance dust

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Not applicable  
Autoignition Temp: Not applicable  
Flammable Limit: Not applicable  
Extinguishing Media: Use water, carbon dioxide or dry chemical extinguishing media.  
Special Fire Fight Proc: Wear full protective clothing and use positive-pressure, self-contained breathing apparatus.

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Fire and Expl Hazard: Toxic, irritating fumes may be formed if  
involved in fire.  
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V. HEALTH HAZARD  
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Carcinogen Information: Mixture not listed

ACUTE EFFECTS OF OVER EXPOSURE  
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- Swallowing: Single dose oral toxicity is low. The Acute Oral LD60 for rats and mice is >5,000 mg/kg. Swallowing small amounts are not likely to cause injury.
- Skin Absorption: A single prolonged exposure is not likely to result in the product being absorbed through skin. Acute Dermal LD50 for absorption in rats is >2,000 mg/kg.
- Inhalation: Dust may cause irritation to the upper respiratory tract, including the nose and throat. The Acute Inhalation LC50 for rats is >5.8 mg/L/4H.
- Skin contact: Prolonged exposure may cause slight skin irritation. When tested in guinea pigs, some allergic skin reactions occurred.
- Eye Contact: May cause moderate irritation and moderate corneal injury.
- Chronic Effects: Repeated excessive exposure to silica may cause silicosis, a progressive and disabling lung disease.
- Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
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- Swallowing: Seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
- Skin: Wash affected area with plenty of soap and water. If irritation develops, seek medical treatment.
- Inhalation: Remove to fresh air. Consult a physician if irritation or discomfort develops.
- Eyes: Flush eyes with water for at least 15 minutes, holding eyelids open. Seek medical treatment.
- Notes to Physician: No specific antidote is available for this mixture. Provide supportive care. Treatment should be based on the judgment of the physician in response to reactions of the patient.

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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: Avoid elevated temperatures.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: None currently known.  
Hazardous Combustion: May produce toxic irritating vapors, such as  
oxides of nitrogen, carbon monoxide and  
unidentified organic compounds under fire  
conditions.

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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: Contain and sweep up small spills. Place  
recovered material in chemical waste container  
for proper disposal. Prevent runoff of spilled  
material or waters contaminated with product.  
Waste Disposal Method: This material must be disposed of according to  
Federal, State or Local procedures under the  
Resource Conservation and Recovery Act.

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VIII. SPECIAL PROTECTION INFORMATION  
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Respiration: In enclosed spaces, use NIOSH-approved dust  
respirator.  
Ventilation: Good general ventilation sufficient.  
Gloves: Impervious gloves  
Eyes: Chemical workers' goggles  
Other: Eyewash station, impervious apron and footwear.

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IX. SPECIAL PRECAUTIONS  
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Special precaution: Keep out of reach of children. Do not store  
with food, feed or other material to be used or  
consumed by humans or animals. Do not  
contaminate water supplies, lakes, stream or  
ponds. Users should wash hands before eating,  
drinking, chewing gum, using tobacco or using  
the toilet.  
Other precaution: Store in original container. Avoid elevated  
temperatures. Always refer to the product label  
for handling and storage related to the end use  
of this material.

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X. SHIPPING INFORMATION  
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Shipping name: Not regulated by DOT, IATA or IMDG.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Compound, Weed Killing, Solid, (Herbicide),  
N.O.I. (NMFC Item 50320, Class 60)

Chemical Name

Equivalent R.Q.

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Not applicable

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Not applicable

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XI. GENERAL PRODUCT INFORMATION  
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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2

Fire: 1

Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y  
Sudden Release of pressure: N  
Reactive: N

Delayed (Chronic) Health: Y  
Fire: N

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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
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