

Safety Data Sheet

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1. Identification

Product Name : XL 2G (New Sub)
Synonyms : None
Product Use : Benefin + Oryzalin Herbicide
Manufacturer/Supplier : Setre Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-752-4420
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Acute Toxicity Dermal : LD50 >2,000 mg/kg

Hazard Categories : Dermal Toxicity-5; Eye Irritation-2B; Skin Sensitization-1

Hazard Statement : May be harmful in contact with skin
Causes eye irritation
May cause an allergic skin reaction

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Benefin	1861-41-1	1
Oryzalin	19044-88-3	1
Earth Clay	8031-18-3	>40
Inert ingredients	Nonhazardous	<58

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin : Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. Remove and wash contaminated clothing before reuse.

Inhalation : Call a physician or poison control center immediately. Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Ingestion : Call a poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

Extinguishing Media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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Specific Hazards Arising from the Chemical : Carbon monoxide, oxides of nitrogen. Irritating gases may be formed if product is involved in a fire.
Special Fire Fight Proc : Wear full protective clothing and use positive-pressure, self-contained breathing apparatus.

6. Accidental Release Measures

Personal Precautions : Avoid dust formation. Avoid contact with the skin and the eyes. Use personal protective equipment.
Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
Emergency Procedures : Determine appropriate state or local reporting requirements.
Methods and Materials for Containment and Cleanup : Sweep up and shovel into suitable containers for proper disposal. Follow all label instructions for disposal of residual material and/or empty containers.

7. Handling and Storage

Precautions for Safe Handling : Keep out of reach of children. Avoid dust formation. Avoid contact with skin and eyes. Avoid breathing dust. Pesticide applicators and workers must refer to product labeling and directions for use. Wear personal protective equipment.
Conditions for Safe Storage : Keep in a dry, cool and well-ventilated place. Keep out of reach of children.

8. Exposure Controls / Personal Protection

TLV/PEL : This product does not contain any hazardous materials with established occupational exposure limits.
Appropriate Engineering Controls : Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Light yellow-orange granules, slight aromatic odor
Flash Point, °F : No information available
Boiling Point, °F : No information available
Melting Point(Freezing point), °C : No information available
Vapor Pressure, mm Hg @ 20 °C : No information available
Vapor Density : No information available
Solubility in Water : No information available
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : No information available
Evaporation Rate(Butyl Acetate = 1) : No information available
Octanol/Water Partition Coefficient : No information available
pH : 8
Flammable Limits (approximate volume % in air) : No information available.
Auto-ignition Temperature : No information available.
Decomposition temperature : No information available

10. Stability and Reactivity

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Reactivity : No information available
Chemical Stability : Stable
Hazardous Decomposition Products : Carbon monoxide. Oxides of nitrogen. Thermal decomposition can lead to release of irritating gases and vapors.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid dust formation
Incompatible Materials : None currently known.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Acute Toxicity (Dermal LD50) : >2,000 mg/kg. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : >5.8 mg/L/4 hour. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Likely Routes of Exposure : Skin, eyes
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012).
Eye Irritation : Causes eye irritation.
Skin Sensitization : Skin sensitizer. May cause an allergic skin reaction.
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : In animals, oryzalin has been shown to cause liver, kidney, bladder, spleen and/or blood effects. No known effects in humans.
Other Hazards : CA Prop 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (oryzalin)

12. Ecological Information

Ecotoxicity : The active ingredient, Oryzalin, is highly toxic to aquatic organisms; LC50/EC50 is between 0.1 and 1 mg/L in the most sensitive species.
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT when shipped in non-bulk packages by ground.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : Marine Pollutant (oryzalin)
Transport in Bulk : If shipped in bulk packages (>882 pounds), ship as: UN3077, Environmentally Hazardous Substance, Solid, n.o.s., (Oryzalin), 9, PG III, Marine Pollutant "ERG # 171"
Special Precautions for Transportation : If shipped by air (IATA) or water (IMDG), ship as: UN3077, Environmentally Hazardous Substance, Solid, n.o.s., (Oryzalin), 9, PG III, Marine Pollutant
Freight Classification : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

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National Fire Protection Association Rating :

Health: 1 Fire: 0 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

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

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling 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 Registration Number : 70506-45-38167

FIFRA Signal Word : Caution

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Causes moderate eye irritation.

FIFRA Label Statement : Avoid contact with eyes or clothing.

FIFRA Label Statement : Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIFRA Label Statement : No additional label statements.

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16. Other Information

Data of Preparation/Revision : 10-March-2016