

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND THE SUPPLIER

Product name:	Oxadiazon 250 G/L EC
Other name:	/
Recommended use of the chemical and restrictions on use	Herbicide
Supplier name:	Shandong Weifang Rainbow Chemical Co., Ltd.
Supplier address:	Binhai Economic Development Area, Weifang, Shandong, China
Supplier phone:	+86-531-88875222, 88875231
Supplier fax:	+86-531-88875232, 88875224
Emergency phone number:	+86-531-88875222

2. HAZARDS IDENTIFICATION

Hazard statement(s):

Combustible liquid.

May be harmful if swallowed or inhaled. May be harmful in contact with skin.

Toxic to aquatic life.

Precautionary statement(s):

Avoid release to the environment.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. In case of fire:

Use appropriate media to extinguish.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
Oxadiazon	19666-30-9	250g/L
Other ingredients		Up to 1L

4. FIRST AID MEASURES

Description of necessary first aid measures

Inhalation: Move the victim to fresh air and keep at rest. If symptoms persist, call a physician.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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.

Ingestion: Rinse mouth. Keep at rest. DO NOT induce vomiting. Risk of product entering the lungs on vomiting after ingestion. Obtain medical attention.

Most important symptoms/effects, acute and delayed

No data available

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. DO NOT use High volume water jet.

Special hazards arising from the chemical:

When heated above the flash point, this product releases vapor which, when mixed with air, can burn or be explosive.

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Special protective actions for fire-fighters:

In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode. Keep unnecessary people away. Use as little water as possible. Dike area of fire to prevent material run-off. Decontaminate emergency personnel with soap and water before leaving the fire area.

Avoid breathing dusts, vapors and fumes from burning materials. Control run-off water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep people away from and upwind of spill/leak.

Avoid contact with spilled product or contaminated surfaces.

When dealing with a spillage do not eat, drink or smoke.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

Clean floors and contaminated objects with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling:

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

Keep away from heat and sources of ignition. Vapours may form explosive mixture with air. Take measures to prevent the build up of electrostatic charge. Use only explosion-proof equipment.

When using, do not eat, drink or smoke. Remove soiled clothing immediately and clean thoroughly before using again. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Wash hands immediately after work, if necessary take a shower.

Conditions for safe storage, including any incompatibilities:

Store in a place accessible by authorized persons only. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from freezing. Keep away from direct sunlight. Keep away from food, drink and animal feedingstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls:

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust or process enclosure ventilation system.

Personal protective equipment:

Respiratory protection: Wear respirator with an organic vapours and gas filter mask (protection factor 10) conforming to EN140 type A or equivalent.

Eye protection: Wear goggles.

Skin and body protection: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wear standard coverall and type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color etc.): Brownish Yellow Transparent Liquid

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Odour	Aromatic
Flash point	> 60°C
Density:	1.03 g/mL at 20°C
Solubility(ies):	Miscible in water
Partition coefficient: n-octanol/water:	No information available

10. STABILITY AND REACTIVITY

Chemical stability:

Stable under recommended storage conditions

Incompatible materials:

Avoid mixing with highly reactive chemicals such as strong acid, strong base or strong oxidizing agents.

Hazardous decomposition products:

Thermal decomposition products contain oxides of carbon, oxides of nitrogen, hydrochloride.

11. TOXICOLOGICAL INFORMATION

Numerical measures of toxicity:

Acute oral LD50:	> 2000 mg/kg in the rat
Acute dermal LD50:	> 2000 mg/kg in the rabbit
Acute inhalation LC50:	> 5.04 mg/L in the rat, 4h
Skin irritation:	Irritation(rabbit)
Eye irritation:	Irritation(rabbit)
Skin sensitization:	Non-sensitizing. (guinea pig)

12. ECOLOGICAL INFORMATION

Ecotoxicity:

The value mentioned relates to the active ingredient Oxadiazon.

Birds - Acute LD50:	> 2150 mg/kg in the <i>Colinus virginianus</i>
Fish - Acute 96 hour LC50:	1.2 mg/L in the <i>Salmo gairdneri</i>
Aquatic invertebrates - Acute 48 hour EC50:	>2.4 mg/L in the <i>Daphnia magna</i>
Honeybees - contact acute 48 hour LD50	> 100 µg/bee
Earthworms - Acute 14 day LC50	> 500 mg/kg

13. DISPOSAL CONSIDERATIONS

Safe handling of waste residues and disposal methods:

Product:

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Do not empty into drains.

Contaminated packaging:

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

UN number:

3082

UN proper shipping name:

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Environmentally hazardous liquid substance, n.o.s.

Transport hazard class(es):

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Packing group, if applicable:

III

15. REGULATORY INFORMATION

The information herein is presented in good faith and believed to be accurate as of 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 /or local laws.

16. OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.