

Control Solutions, Inc.
5903 Genoa Red Bluff
Pasadena, Texas USA 77507

In Case of Emergency, Call
Information: 1-281-892-2500
CHEMTREC: 1-800-424-9300

1. CHEMICAL IDENTIFICATION

Product Name: Oxadiazon 50 MC
 Active Ingredient (%): Oxadiazon 50.0%
 Recommended Use: Pesticide

2. HAZARDS IDENTIFICATION

Hazard Classification (0-minimal, 1-slight, 2-moderate, 3-serious, 4-severe)

NFPA: HEALTH-2 FIRE-1 REACTIVITY-1

HMIS: HEALTH-3 FIRE-1 REACTIVITY-1

Causes substantial but temporary eye injury. Avoid contact with eyes, skin or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Primary routes of exposure to this material include dust inhalation or skin contact. First Aid – See Section 4.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material	% by weight	CAS#	OSHA PEL
Oxadiazon	50.0%	19666-30-9	1 mg/m ³
Inert Ingredients			
Including Kaolin clay	>20	13332-58-7	2 mg/m ³ (respirable);
Crystalline silica, Quartz	<4	14808-60-7	0.05 mg/m ³ (respirable silica)
Dispersing agents			15 mg/m ³

4. FIRST AID MEASURES

Eye Contact: Hold eyelids open and flush eyes with water for 15-20 minutes until no evidence of chemical remains. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Seek medical attention if irritation persists.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. Seek medical attention.

Ingestion: Harmful if ingested. May cause burns to mouth and esophagus, chest pain and abdominal pain.

Dermal Contact: Remove contaminated clothing and shoes. Wash with plenty of soap and water for 15-20 minutes until no evidence of chemical remains. Seek medical attention if irritation persists.

Physician's Information: You may also contact SafetyCall[®] International (866) 897-8050 for emergency medical treatment information.

Notes: All treatment should be based on observed signs and symptoms of distress in the patient. Consideration should be given that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote is available.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or foam.

Procedures: Use self-contained breathing apparatus. Cool fire exposed areas and equipment.

Fire Fighting Equipment: Wear protective clothing and self-contained breathing apparatus. Dike areas to prevent runoff and contamination of water sources. Dispose of fire control water according to the city, state and Federal regulations.

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Wear appropriate OSHA regulated equipment such as impervious gloves. Ventilate area. With a shovel, place spilled material in an appropriate container, avoiding formation of a dust cloud, and cover. Wipe down remaining spillage with damp rags and place rags in the container. Hold for disposal. Wash contaminated surfaces with hard surface detergent such as Spic-N-Span[®] to remove any residues. Notify the appropriate authorities immediately if water used to fight fire or clean spill enters sewer or watercourse.

7. HANDLING AND STORAGE

Storage Conditions: Store in original container only, in a dry, locked area.

Handling: Avoid contact with skin, eyes and clothing. Avoid generating a dust cloud. Dispersion of fine dust in the air can form an explosion mixture. Avoid breathing Dust. Keep containers tightly closed. Do not contaminate food or feedstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

Eye Protection: Chemical goggles or safety glasses if respirator does not provide eye protection.

Respiratory Protection: Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits. If ventilation is not adequate, wear a suitable dust respirator such as air-purifying (half or full mask) with cartridge canister approved for use against dust, mists, fumes or pesticides.

Dermal Protection: Chemical resistant gloves, long sleeves, pants, shoes with socks.

Other Precautions: Clean water should be available to rinse eyes and skin in case of chemical exposure. Wash thoroughly after handling. Remove and wash clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor:	Slight amine odor.
Physical State:	Solid.
Color:	Off-white powder.
Vapor Pressure:	Not volatile.
Bulk Density:	17 lbs/cubic foot
Viscosity:	Not available.
Melting Point:	Not available.
Flash Point:	See Section 10.
Specific Gravity:	Not available.
pH:	7.5
Water solubility:	Dispersible.
Refractive Index:	Not available.

10. STABILITY AND REACTIVITY

STABILITY AND REACTIVITY

Flash Point:	Will not flash.
Lower Flammability Limit:	Not determined.
Upper Flammability Limit:	Not determined.
Autoignition Temperature:	None
NFPA 30 Storage Class:	N/E
Hazardous Polymerization:	Will not occur.
Decomposition Products:	Combustion may generate NO _x and carbon oxides.
Conditions to Avoid:	Stable under normal storage conditions.
Incompatible Materials:	Strong oxidizers, mineral acids, strong bases.

11. TOXICOLOGICAL DATA

ACUTE & SUBCHRONIC:

Ingestion (Technical): Rat LD50: >5,000 mg/kg.
Rats and dogs receiving 25 mg/kg/daily in 90-day animal studies showed no adverse effects.

CHRONIC:

Feeding Studies
(Technical): In two-year feeding studies with rats and dogs, the no adverse effects level was at least 100 ppm of the total dietary intake of both species. From these animal studies, it is expected under normal conditions of use.

CARCINOGENICITY:	Not a carcinogen under NTP, IARC and OSHA.
TERATOGENICITY:	No data available.
REPRODUCTIVE:	No data available.
NEUROTOXICITY:	No data available.
MUTAGENICITY:	Oxadiazon is not mutagenic or genotoxic when tested in several mutagenicity studies.

12. ECOLOGICAL DATA

PRECAUTIONS: DO NOT contaminate water when disposing of equipment washwaters. Oxadiazon is strongly absorbed by soil colloids and humus, with very little migration or leaching.

13. DISPOSAL CONSIDERATION

Waste Disposal:	Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.
Container Disposal:	Completely empty plastic liner by shaking and tapping sides and bottom of bag to loosen clinging particles. Empty all residue into equipment. Then dispose of empty bag in a sanitary landfill or by incineration, if allowed by state and local authorities. If burned, stay out of smoke.

14. TRANSPORTATION DATA

DOT:	Not Regulated.
IATA:	Not Regulated.
IMO:	Not Regulated

15. REGULATORY DATA

- OSHA: This product is considered hazardous under the OSHA Hazardous Communication Standard) 29 CFR §1910.1200).
- TSCA: Registered pesticide, exempt from TSCA.
- CERCLA: Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to the state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304 and 40 CFR Part 302.
- RCRA: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity and is not listed in 40 CFR §261.33.
- SARA TITLE III
302: Not listed.
- 311/312 Hazard Categories: This product has been reviewed according to the EPA "Hazard Categories" and is Categorized as an acute health hazard (40 CFR §370.41).
- 313 Reportable Ingredients: OXADIAZON CAS#19666-30-9

16. OTHER INFORMATION

- US States Regulatory: CA Prop 65 – This product contains a chemical known to the State of California to cause cancer.
- Oxadiazon CAS#19666-30-9
Quartz CAS#14808-60-7

The information provided on this Safety Data Sheet is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Control Solutions, Inc. The data on this sheet relates only to the specific material designated herein. Control Solutions, Inc., assumes no legal responsibility for the accuracy or completeness of this data, nor for the use or reliance upon this data.