



## RONSTAR® 50 WSP HERBICIDE

MSDS Version 1.2

### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name** RONSTAR® 50 WSP HERBICIDE  
**Chemical Name** Oxadiazon, RP 17623  
**Synonym**  
**MSDS Number** 180  
**Chemical Family**  
**Chemical Formulation** C15H18Cl2N2O3  
**EPA Registration No.** 432-893  
**Canadian Registrat. No.**

Bayer Environmental Science  
 2 T.W. Alexander Drive  
 Research Triangle PK, NC 27709  
 USA

For MEDICAL, TRANSPORTATION or Other EMERGENCY call 1-800-334-7577 24 hours/day  
 For Product Information call 1-800-331-2867

**Product Use Description** FIFRA regulated use only.

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
OXADIAZON	19666-30-9	50.0000	
QUARTZ	14808-60-7	3.1300	
Other ingredients (Trade secret)		46.8700	

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### SECTION 3. HAZARDS IDENTIFICATION

*NOTE: Please refer to Section 11 for detailed toxicological information.*

<b><u>Emergency Overview</u></b>	Warning! Harmful if inhaled or absorbed through skin. Causes skin irritation. Causes eye irritation.
<b>Physical State</b>	solid powder
<b>Odor</b>	amine odor
<b>Appearance</b>	tan
<b>Immediate Effects</b>	
<b>Eye</b>	Causes redness, irritation, tearing.
<b>Skin</b>	Harmful if absorbed through skin. Causes irritation, redness, swelling.
<b>Ingestion</b>	Harmful if ingested. May cause burns to mouth and esophagus, chest pain, abdominal pain.
<b>Inhalation</b>	Harmful if inhaled. May cause respiratory tract irritation.
<b>Chronic or Delayed Long-Term</b>	This product contains ingredients that are considered to be probable or suspected human carcinogens (See Section 11 - Chronic). Prolonged contact may cause benign changes in lung tissue.
<b>Medical Conditions Aggravated by Exposure</b>	Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

### SECTION 4. FIRST AID MEASURES

<b>Eye</b>	Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.
<b>Skin</b>	In case of contact, immediately wash with plenty of soap and water for atleast 15 minutes. Seek medical attention. Remove contaminated clothing and shoes while washing. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned.
<b>Ingestion</b>	If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.
<b>Inhalation</b>	Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

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

### SECTION 5. FIRE FIGHTING MEASURES

<b>Flash Point</b>	Not applicable
<b>Fire and Explosion Hazards</b>	Under fire conditions, toxic, corrosive fumes are emitted.
<b>Suitable Extinguishing Media</b>	Small Fires:, dry chemical, carbon dioxide (CO2)  Large Fires:, foam, water spray
<b>Fire Fighting Instructions</b>	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dike areas to prevent runoff and contamination of water sources. Dispose of fire control water later.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>General and Disposal</b>	Evacuation Procedures and Safety: Wear appropriate gear for the situation. See Personal Protection information in Section 8. Stay upwind if possible.
<b>Land Spill or Leaks</b>	Containment of Spill: Follow procedure under Cleanup and Disposal of Spill.  Environmental and Regulatory Reporting: Do not flush to drain. If spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal. Prevent material from entering public sewer system or any waterway.

### SECTION 7. HANDLING AND STORAGE

<b>Handling Procedures</b>	Do not ingest. Avoid breathing dusts. Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes.
<b>Storing Procedures</b>	Store in an area away from food, feedstuffs, fertilizers and seed.
<b>Work/Hygienic Procedures</b>	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:  Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.

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Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.

Wash exposed skin promptly to remove accidental splashes of contact with this material.

### Min/Max Storage Temperatures

Handle carefully when stored at 50°F to avoid breakage of soluble bags.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls

Where engineering controls are indicated by use conditions of a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures:

### Eye/Face Protection

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

### Body Protection

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

### Respiratory Protection

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Under normal conditions, in the absence of other airborne contaminants, the following should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s): Air-purifying (half-mask/full-face) respirator with cartridge/canister approved for use against dusts, mists and fumes, pesticides.

Under conditions immediately dangerous to life or health, or emergency conditions with unknown concentrations, use a full-face positive pressure air-supplied respirator equipped with an emergency escape air supply unit or use a self-contained breathing apparatus unit.

### General Protection

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal

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Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

### Exposure Limits

QUARTZ	14808-60-7	NIOSH	REL		0.05 mg/m3
		Form of Exposure		Respirable dust.	
		OSHA Z1A	TWA		0.1 mg/m3
		Form of Exposure		Respirable dust.	
		US CA OEL	TWA PEL		0.1 mg/m3
		Form of Exposure		Respirable dust.	
		US CA OEL	TWA PEL		0.3 mg/m3
		Form of Exposure		Total dust.	
		ACGIH	TWA		0.05 mg/m3

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	tan
<b>Physical State</b>	solid powder
<b>Odor</b>	amine odor
<b>pH</b>	Not applicable
<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air = 1)</b>	Not available
<b>Specific Gravity</b>	Not Available
<b>Boiling Point</b>	Not available
<b>Melting/Freezing Point</b>	Not available
<b>Solubility (in water)</b>	slightly soluble
<b>Molecular Weight</b>	345.2 g/mol

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**Other Information** Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

### SECTION 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	This material is stable under normal handling and storage conditions described in Section 7.
<b>Conditions to Avoid</b>	extreme humidity
<b>Incompatibility</b>	strong bases strong acids strong oxidizing agents
<b>Hazardous Products of Decomposition</b>	Decomposition Type: thermal hydrogen chloride oxides of nitrogen carbon oxides
<b>Hazardous Polymerization (Conditions to avoid)</b>	not applicable

### SECTION 11. TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity</b>	Rat: LD50: > 5,000 mg/kg	
<b>Acute Dermal Toxicity</b>	Rabbit: LD50: > 2,000 mg/kg	
<b>Acute Inhalation Toxicity</b>	Rat: LC50: > 1.8 mg/l 4 h  Acute Respiratory Irritation: No test data found for product.	
<b>Skin Irritation</b>	Rabbit: Severely irritating.	
<b>Eye Irritation</b>	Rabbit: Irritating	
<b>Chronic Toxicity</b>	No additional test data found for product.	
<b>Assessment Carcinogenicity</b>		
ACGIH		
QUARTZ	14808-60-7	Group A2
NTP		
QUARTZ	14808-60-7	
IARC		
OSHA		

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None

### SECTION 12. ECOLOGICAL INFORMATION

<b>Ecological Information</b>	For ecotoxicological data call the product information phone number listed in Section 1.
<b>Environmental Fate</b>	For chemical fate data call the product information phone number listed in Section 1.

### SECTION 13. DISPOSAL CONSIDERATIONS

<b>General Disposal Guidance</b>	Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
<b>Container Disposal</b>	Do not reuse containers. Any container or equipment used should be decontaminated immediately after use. Consult state and local regulations regarding the proper disposal of container.  EPA HAZARDOUS WASTE - NO
<b>RCRA Classification</b>	Not Regulated under this Statute

### SECTION 14. TRANSPORT INFORMATION

Transportation Status:  
The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US Department of Transportation  
Shipping Name: NOT REGULATED

### SECTION 15. REGULATORY INFORMATION

<b>US Federal Regulations</b>	
EPA Registration No.	432-893
TSCA list	
QUARTZ	14808-60-7
TSCA 12b export notification	

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None

### SARA Title III - section 302 - notification and information

None

### SARA Title III - section 313 - toxic chemical release reporting

OXADIAZON

19666-30-9

1.0%

### US States Regulatory Reporting

#### CA Prop65

This product contains a chemical known to the state of California to cause cancer.

OXADIAZON

19666-30-9

This product contains a chemical known to the state of California to cause cancer.

QUARTZ

14808-60-7

### US State right-to-know ingredients

OXADIAZON

19666-30-9

NJ

QUARTZ

14808-60-7

IL, MA, MN, PA

### Canadian Regulations

#### Canadian Registrat. No.

#### Canadian Domestic Substance List

QUARTZ

14808-60-7

### Environmental

#### CERCLA

None

#### Clean Water Section 307 Priority Pollutants

None

#### Safe Drinking Water Act Maximum Contaminant Levels

None

### International Regulations

#### EU Classification

None

#### European Inventory of Existing Commercial Substances (EINECS)

OXADIAZON

19666-30-9

QUARTZ

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### SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
HMIS	3	1	1	
NFPA	2	1	1	

Reason for Revisions: Company name change.

Print Date: 01/13/2005

Supersedes MSDS, which is older than: 12/09/2002

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