

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name

- **Howard Johnson's 2G Oxadiazon**

Synonyms

- EPA Reg. No.: 53883-182-32802; FertCDRsp

Product Code

- FertCDRsp

Product Description

- Variable colored granules.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

- Herbicide for lawns and turf.

Restrictions on use

- Keep out of the reach of children. Avoid contact with eyes, skin or clothing. Avoid breathing dust.

Details of the supplier of the safety data sheet

Manufacturer

- Howard Johnson's Enterprises, Inc.
9675 S. 60th Street
Franklin, WI 53132
United States
www.hjefertilizer.com

Telephone (General) • (414) 394-3590 - 8:30am - 5:00pm CST

Emergency telephone number

Manufacturer

- 1-800-424-9300 - CHEMTREC - Transportation and Non-Transportation related emergencies

Manufacturer

- 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

- Combustible Dust

Respiratory Sensitization 1A

Label elements

OSHA HCS 2012

DANGER

- Hazard statements** • May form combustible dust concentrations in air.
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

- Prevention** • Avoid breathing dust, fume, gas, mist, vapors and/or spray.
In case of inadequate ventilation wear respiratory protection.

- Response** • IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison control center or doctor.

Storage/Disposal •

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

OSHA HCS 2012

- This pesticide is toxic to fish. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients**Substances**

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
Oxadiazon	CAS:19666-30-9	2%
Peanut hulls	NDA	10% TO 20%
Other ingredients	NDA	94.8%

Section 4: First-Aid Measures**Description of first aid measures****Inhalation**

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison control center or doctor.

- Skin**
 - IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- Eye**
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion**
 - IF SWALLOWED: call a poison center or doctor if you feel unwell. Rinse mouth.

Most important symptoms and effects, both acute and delayed

- May cause allergy or asthma symptoms or breathing difficulties if inhaled due to peanut hulls. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- Use water, foam, carbon dioxide, or dry chemical.

- Unsuitable Extinguishing Media**
- Avoid heavy hose streams.

- Firefighting Procedures**
- Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Eliminate ignition sources. Move containers from fire area if you can do it without risk. Stay upwind. LARGE FIRES: Dike fire control water for later disposal; do not scatter the material.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

- Hazardous Combustion Products**
- Carbon monoxide and carbon dioxide.

Advice for firefighters

- Do not allow run-off to enter waterways. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Avoid dust formation and breathing dust. Ventilate enclosed areas. Keep all sources of ignition away.

- Emergency Procedures**
- Contain spill and monitor for excessive dust accumulation. Turn off electric power to area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Environmental precautions

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Sweep or scoop up spills, dispose of any unusable material in approved landfill. Non-sparking tools should be used.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Avoid contact with heat and ignition sources.

Conditions for safe storage, including any incompatibilities

Storage

- Keep out of reach of children. Store in original container. Keep away from sources of ignition – No Smoking.

Incompatible Materials or Ignition Sources

- Strong acids, oxidizing agents and toxic materials. Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- No data available.

Exposure controls

Engineering Measures/Controls

- Use adequate ventilation to remove vapors (fumes, dust etc) It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Personal Protective Equipment

Pictograms



Respiratory

- In case of insufficient ventilation, use NIOSH approved respiratory protection.

Eye/Face

- Wear dust goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact. Use of a full body suit such as Tyvek or Tychem suit is recommended.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Other Information

- See product label for specific use PPE instructions.

Section 9 - Physical and Chemical Properties**Information on Physical and Chemical Properties**

Material Description			
Physical Form	Solid	Appearance/Description	Variable colored granules.
Color	Varies	Odor	No data available.
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Bulk Density	45 to 80 lb(s)/ft ³
Water Solubility	No data available	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	No data available
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity**Reactivity**

- This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur. May form combustible dust concentrations in the air.

Conditions to avoid

- Heat, sparks, open flame. Avoid storage with or near toxic substances.

Incompatible materials

- Strong acids, oxidizing agents and caustics.

Hazardous decomposition products

- Thermal decomposition may produce toxic gases including carbon dioxide and carbon monoxide.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Oxadiazon (2%)	19666-30-9	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; Inhalation-Rat LC50 • >1.8 mg/L 4 Hour(s); Skin-Rabbit LD50 • >2000 mg/kg; Irritation: Eye-Rabbit • Severe irritation; Skin-Rabbit • Moderate irritation

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Respiratory Sensitizer 1A
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

Acute (Immediate)

- May cause allergy or asthma symptoms or breathing difficulties if inhaled due to peanut hulls.

Chronic (Delayed)

- No data available.

Skin

Acute (Immediate)

- Exposure to dust may cause mechanical irritation.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Exposure may cause mechanical eye irritation.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Other

- Chronic (Delayed)**
 - No data available.
- Mutagenic Effects**
 - Oxadiazon was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.
- Carcinogenic Effects**
 - No component in this product present at 0.1% or greater is listed by IARC, OSHA or NTP.
- Reproductive Effects**
 - Oxadiazon is not a reproductive toxicant.

Section 12 - Ecological Information**Toxicity**

- No data available

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

- Potential Environmental Effects**
 - This pesticide is toxic to fish.

Section 13 - Disposal Considerations**Waste treatment methods**

- Product waste**
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste**
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. See product label for disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable

- Special precautions for user**
 - None specified.

- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
 - No data available

Other information

- IMO/IMDG** • No data available
- IATA/ICAO** • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, SARA Title III Section 313

FIFRA – Pesticide Labeling

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

WARNING

Precautionary Statements • KEEP OUT OF REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

Causes skin and eye irritation. Harmful if inhaled. Do not get on skin or on clothing. Avoid contact with eyes. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

First Aid •

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: 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.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible. Call poison control center or doctor for further treatment advice.

Environmental Hazards •

This pesticide is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. OX G Herbicide should not be used in areas where irrigation or rainfall results in the direct or indirect (via ditches and canals) contamination of surface waters through dissolved runoff or erosion of soil particles to which oxadiazon is absorbed.

United States

Environment

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Oxadiazon

19666-30-9

1.0 % de minimis concentration

Section 16 - Other Information

Revision Date • 23/November/2016

Last Revision Date • 23/November/2016

Preparation Date

- 23/November/2016

Disclaimer/Statement of Liability

- The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.