FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

	RODUCTS, INC. • Greeley, CO 80632-1286		y Phone: 1-800-424-9300 rgencies: 1-800-301-7976 se Center: 1-800-424-8802
PRODUCT NAME: CHEMICAL NAME: CHEMICAL FAMILY: EPA REG. NO.: MSDS Number: 00083	SIGNATURE® FERTILIZER WITH 1.0% OXADIAZON Herbicide (Oxadiazon) on N-P-K Fertilizer Oxadiazole Herbicide 34704-833 3-08-LPI MSDS Revisions: New	Date Of Issue: 01/23/08	Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – WARNING – AVISO - Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detaile (If you do not understand the label, find someone to explain it to you in detail.) Causes substantial but temporary eye injury. Wear protective eyewear (goggles, face shield or safety glasses). Causes skin irritation. Do not get in eyes, on skin or clothing. Harmful if swallowed, absorbed through the skin, or inhaled. Avoid breathing dust, contact with skin, eyes or clothing. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling. Do not allow domestic animals to graze treated areas. Avoid contamination of feed and foodstuffs.

This product is a light yellow to brown-colored granule with slight aromatic odor. Primary routes of entry are Inhalation, eye contact and skin contact.

3. COMPOSITION, INFORMATION ON INGREDIENTS			
Chemical Ingredients:	Percentage by Weight:	CAS No.	TLV (Units)
Oxadiazon Fertilizer: see label for N-P-K analy	1.00 sis 99.00	19666-30-9	None Established
4. FIRST AID MEASURES			
no	II a poison control center or doctor immediately induce vomiting unless told to do so by the po conscious person.		
•	Id eye open and rinse slowly and gently with w nutes, then continue rinsing eye. Call a poison		
5	ke off contaminated clothing. Rinse skin with pl atment advice.	enty of water for 15-20 minutes. Call a	poison control center or doctor for
ma	we person to fresh air. If person is not breathing inth-to-mouth, if possible. Call a poison contro	I center or doctor for further treatment	advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976. Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method):	Not applicable
FLAMMABLE LIMITS (LEL & UEL):	Not applicable
EXTINGUISHING MEDIA:	Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS:	May include but are not limited to oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, ammonia, oxides of phosphorus, oxides of sulfur, hydrogen sulfide.
SPECIAL FIRE FIGHTING PROCEDURES:	Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self- contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Dusts or vapors can travel to a sources of ignition and flash back.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Avoid breathing dusts. Sweep up dry spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local, state and federal regulations for proper disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING:	Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the
STORAGE:	outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Store product in its original bag, in a cool, dry, locked place out of reach of children. Do not contaminate water, food, or feed by storage or disposal.

EPA HANDLER REQUIREMENTS Worker Protection Standard – 40 CFR 170

Personal Protective Equipment: Applicators and other handlers must wear: coveralls over short-sleeved shirt and short pants, chemical-resistant gloves and footwear plus socks, protective eyewear, chemical-resistant headgear for overhead exposure, and chemical-resistant apron when cleaning equipment. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: RESPIRATORY PROTECTION:	Not normally required. Not normally required, i respirator.	if vapors or dusts exceed accept	able levels, wear a MSHA/NIOSH approved pesticide
EYE PROTECTION: SKIN PROTECTION:	Chemical goggles or sh	, ,	, hat, rubber boots with socks. Wear rubber or chemical-
	Nuisance Particulates	OSHA PEL 8 hr TWA 15 mg/m ³	ACGIH TLV-TWA none established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light yellow to brown-colored granules with slight aromatic odor SPECIFIC GRAVITY (Water= 1): 0.80-0.86 g/ml VAPOR PRESSURE: Not applicable PERCENT VOLATILE (by volume): Not applicable Note: These physical data are typical values based on material tested but may vary from sample to sam **SOLUBILITY:** Insoluble **pH:** Not applicable

These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable INCOMPATIBILITY: Caustics, acids, oxidizers, fluorine, metals.

CONDITIONS TO AVOID: Excessive heat, open flame, other ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): >5000 mg/kg Eye Irritation (rabbit): Substantial but temporary injury Inhalation LC₅₀: May cause respiratory tract irritation. Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH Acute Dermal LD₅₀ (rabbit): >2000 mg/kg Skin Irritation (rabbit): May cause irritation Skin Sensitization (guinea pig): Not determined

12. ECOLOGICAL INFORMATION

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment wash waters.

13. DISPOSAL CONSIDERATIONS

Pesticide wastes are toxic. Improper disposal of excess pesticide, or rinsate is a violation of Federal law. Do not reuse empty bag. 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. Do not contaminate water, food, or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY DOT BY HIGHWAY. **U.S. Surface Freight Classification:** FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; DRY (NMFC 68140, SUB 5; CLASS 50)

NFPA & HMIS Hazard Ratings:	NFPA	HMIS	
	1 Health 0 Flammability 0 Instability	0 Least 1 Health 1 Slight 0 Flamn 2 Moderate 0 React 3 High H PPE 4 Severe	nability
SARA Hazard Notification/Reportin SARA Title III Hazard Category:	g Immediate <u>Y</u> Delayed <u>N</u>	Fire <u>N</u> Reactive <u>N</u>	Sudden Release of Pressure <u>N</u>

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER INFORMATION

MSDS STATUS: New

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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Note: This material safety data sheet applies to all Signature® N-P-K fertilizer analyses containing 1.0% Oxadiazon.

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