

**MANUFACTURER:** DIAMOND R FERTILIZER CO. INC.

4100 GLADES CUTOFF RD  
FT. PIERCE, FLORIDA 34981

## SAFETY DATA SHEET



**EMERGENCY CONTACT:** CHEM-TEL INC. 1-800-255-3924

### SECTION I: PRODUCT IDENTIFICATION

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**PRODUCT NAME:** DIAMOND R FERTILIZER® (All Dry grades less than 1.00 percent Manganese)

**FORMULA:** Dry Inorganic Salt Mixture

**CHEMICAL FAMILY:** Not Applicable – Mixture

**DOT CLASS:** Not regulated by Department of Transportation

**MOLECULAR WEIGHT:** Not Applicable

### SECTION II: COMPOSITION

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**HAZARDOUS INGREDIENTS (HEALTH):** None

**HAZARDOUS INGREDIENTS (PHYSICAL):** Contains 0 to 50% Nitrates, which are classed as oxidizers when pure. In this mixture they are diluted by other materials, but could contribute to combustion if contaminated with organic material such as oil.

### SECTION III: HAZARD IDENTIFICATION

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**INGESTION:** Not hazardous in normal industrial use.

**INHALATION:** No hazard under normal conditions. In a fire situation, may produce toxic and/or irritating ammonia and/or nitrogen and/or sulfur oxides.

**EYE CONTACT:** May be irritating to eyes, nose or throat

**SKIN ABSORPTION:** Not absorbed thru skin

**SKIN CONTACT:** May be slightly irritating to the skin

**EFFECTS OF OVERDOSE:** Long term inhalation of dust concentrations, higher than recommended Permissible Exposure Limits, may cause lung injury.



### SECTION IV: FIRST AID MEASURES

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**INGESTION:** For ingestion of large amounts, clear visible residue from mouth area, if person is conscious give 2-3- sips of water. Do not induce vomiting. Do not give mouth to mouth resuscitation. No known chronic effects.

**INHALATION:** Evacuate person to fresh air. No known significant effects. If breathing difficulties occur, see a physician.

**EYES:** Flush eyes thoroughly with water, if irritation persists see a physician.

**SKIN:** Wash with soap and water.

### SECTION V: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**VENTILATION:** Local exhausts or other adequate ventilation that will control nuisance dust concentrations.

**RESPIRATORY PROTECTION:** If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH approved dust respirators, with approval TC-21-C-xxx until usage is completed.

**PROTECTIVE CLOTHING:** Gloves recommended.

**EYE PROTECTION:** Safety glasses or goggles with side shields and brow protection recommended.

### SECTION VI: FIRE FIGHTING MEASURES

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**EXTINGUISHING MEDIA:** Spread out and cool. Use media suitable to extinguish source of fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** Keep away from heat sources. Use self-contained breathing apparatus with enclosed fires. Water is not recommended for extinguishing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** A mixture of inorganic salts and possible small amounts of organic materials which, in some instances, can be induced to burn.

### SECTION VII: ACCIDENTAL RELEASE MEASURES

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**ENVIRONMENTAL PRECAUTIONS:** Do not contaminate waterways or bodies of water by disposal, direct application, or cleaning of equipment.

(OVER)

STEPS TO BE TAKEN IN CASE OF SPILL OR MATERIAL RELEASE: If uncontaminated, sweep up or collect. Can be reused as product. If contaminated with other materials, collect in suitable containers.

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**SECTION VIII: HANDLING AND STORAGE**

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not expose to fire. Store in a cool well ventilated area. Wash hands and remove protective clothing prior to eating, after exposure to product.

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**SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

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MELTING POINT: Not Applicable  
DENSITY: 1.6  
FLASHPOINT: Not applicable  
PH, 1% SOLUTION: 6.0-7.4  
APPEARANCE AND ODOR: Light tan to dark gray granules to powder, slightly acidic odor.  
EXTINGUISHING MEDIA: Media suitable to extinguish source of fire  
SOLUBILITY IN WATER: Appreciable  
% VOLATILES (by volume): Not applicable  
VAPOR PRESSURE MMHG: Not applicable

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**SECTION X: STABILITY AND REACTIVITY**

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STABILITY: Stable under normal conditions  
CONDITIONS TO AVOID: Extreme high heat and/or fire conditions  
INCOMPATIBILITY: (MATERIALS TO AVOID) Alkalis, may cause release of Ammonia.  
HAZARDOUS DECOMPOSITION PRODUCTS: Under extreme fire conditions, may liberate hazardous gases of oxides of ammonia, nitrogen or sulfur.  
HAZARDOUS POLYMERIZATION: Will not occur  
NFPA CODE: Health: 0 Flammability: 1 Reactivity: 0

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**SECTION XI: TOXICOLOGY INFORMATION**

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ACUTE TOXICITY: Not classified  
TOXICITY DATA: None found

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**SECTION XII: ECOLOGICAL INFORMATION**

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NONE LISTED

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**SECTION XIII: DISPOSAL CONSIDERATION**

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WASTE DISPOSAL PROCEDURES: If uncontaminated, sweep up or collect, may be reused as product, or collected in suitable containers.  
If contaminated, dispose in accordance with applicable federal, state, and local regulations.

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**SECTION XIV: TRANSPORT INFORMATION**

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SHIPPING NAME: Not regulated by D.O.T.  
HAZARD CLASS: None  
REPORTABLE QUANTITY: None  
LABELS REQUIRED: None  
PLACARD: None  
C.A.S.NO: See "Ingredients"  
D.O.T NO: None  
HAZARDOUS WASTE: None  
EPS REGISTRATION NO: None

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**SECTION XV: REGULATORY INFORMATION**

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None Available

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**SECTION XVI: OTHER INFORMATION**

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FLASH POINT: Non-flammable\_  
AUTOIGNITION: Not applicable  
Do not allow to be contaminated with oils, which may cause local heating, and, in rare cases result in a fire.

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