

----- MATERIAL SAFETY DATA SHEET -----
DIAMOND R ULTRA NUTRITIONAL SPRAY
Diamond R

QUICK IDENTIFIER: Diamond R Ultra Nutritional Spray
Common Name: (used on label and list)
Mn 2.90%; Zn 3.60%; S 3.20%

SECTION 1

MANUFACTURER'S NAME: DIAMOND R FERTILIZER
4100 GLADES RD.
FT. PIERCE, LF 34981
EMERGENCY TELEPHONE NUMBER: POISON CONTROL 1-800-282-3171
TELEPHONE NUMBER FOR INFORMATION: 1-800-330-9300
DATE PREPARED: 3-87

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous
Component(s)
(chemical & common
name(s))

	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)
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SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: NA
SPECIFIC GRAVITY (H₂O = 1): 1.32
VAPOR PRESSURE (mm Hg): Unknown
VAPOR DENSITY (Air = 1): Unknown
SOLUBILITY IN WATER: Infinitely dilutable
REACTIVITY IN WATER: Stable
APPEARANCE AND ODOR: Moderately acidic, dark brown with
slight to negligible odor.
MELTING POINT: NA

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: Doesn't flash
METHOD USED:
FLAMMABLE LIMITS IN AIR % BY VOLUME:
LEL LOWER:
UEL UPPER:
AUTO-IGNITION TEMPERATURE: NA
EXTINGUISHER MEDIA: Dry chemical CO2 foam, water.
SPECIAL FIRE FIGHTING PROCEDURES: Non flammable. This
product does not support combustion. If heated to
decomposition, nitrate ion will support combustion. Use
self contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: If heated to anhydrous
state, nitrates are powerful oxidizing agents; exposure
to heat or flame can emit toxic vapors.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

CONDITIONS TO AVOID: Intense heat

INCOMPATIBILITY (Materials to Avoid): Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Cu fumes, vapors & spray mist - CO, CO₂ (SO_x organic vapors) metallic oxides and CL₂ vapors.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: NA

SECTION 6 - HEALTH HAZARDS

1. ACUTE: Direct contact may cause eye and skin irritation.

2. CHRONIC: When exposed to vapors from heated materials 120 deg F or above slight headache may occur when adequate ventilation is not maintained.

SIGNS AND SYMPTOMS OF EXPOSURE: As above

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Harmful if large quantities are ingested; normal allergic responses, intestinal problems may occur.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NATIONAL TOXICOLOGY PROGRAM: No

I.A.R.C. MONOGRAPHS: No

OSHA: No

EMERGENCY AND FIRST AID PROCEDURES: In all cases seek immediate medical attention.

ROUTES OF ENTRY:

1. INHALATION: If breathing has stopped give artificial respiration and keep breathing passage open.

2. EYES: Immediately flush eyes with copious quantities of water.

3. SKIN: Wash with plenty of soap and water.

4. INGESTION: If victim is conscious, induce vomiting, contact physician immediately.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid areas of extreme heat. Avoid breathing spray mist. Do not store near oxidizing agents.

OTHER PRECAUTIONS: Keep away from children, pets, wildlife & livestock. Don't contaminate waters (lakes, rivers, streams or any water supply) by cleaning equipment and or disposal of waters.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Absorb with inert material. Sweep or shovel inert materials. Scatter residue into soil.

WASTE DISPOSAL METHODS (Consult federal, state, and local regulations): Dispose of in accordance with state, federal and local laws.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): Do not open
containers in enclosed area, use in open area with plenty
of ventilation.

VENTILATION: Use in open area only.

LOCAL EXHAUST: Same

MECHANICAL (General): Same

SPECIAL:

OTHER:

PROTECTIVE GLOVES: Rubber or plastic gloves

EYE PROTECTION: Use goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear clean
clothing.

WORK/HYGIENIC PRACTICES: Bathe daily, wear clean clothing.

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consequences of its use. Each user should make a
determination as to the suitability of the information for
their particular purpose(s). A request has been made to the
manufacturer to approve the contents of this material
safety data sheet. Upon receipt of any changes a new MSDS
will be made available.

COMPAS Code: 22590080
