

----- 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)
--	-------------	--------------	-----------------------------	-----------------

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.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES: although preparer and owner have taken reasonable care in the preparation of this document, we extend no warranties and make no representation as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the 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
