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# MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard  
29CFR 1910. Standard must be consulted for specific requirements.

## *Product: DIAMOND R TRx PLUS*

### QUICK IDENTIFIER

Common Name: (USED ON LABEL AND LIST) MN 2.00 %, ZN 2.4%, CU .006%, FE 1.60%, B .16%, MO .003 %, CHELATING AGENT IS A SODIUM GLUCOHEPTONATE.

## SECTION 1 - COMPANY INFORMATION

Manufacturer's Name: DIAMOND R FERTILIZER CO. INC.

Address: 4100 GLADES -CUTOFF ROAD

City, State, and Zip: FT. PIERCE , FLORIDA 34981

EMERGENCY TELEPHONE NUMBER: POISON CONTROL: 1-800-255-3924

TELEPHONE NUMBER FOR INFORMATION: 1-800-330-9300

DATE PREPARED: 5/05

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	EXPOSURE LIMITS	CAS NO.
MANGANESE SULFATE	N/A	N/A		7785-87-7
ZINC SULFATE MONOHYDRATE	N/A	N/A		7446-19-7
COPPER SULFATE	N/A	N/A		7758-99-8
SODIUM MOLYBDATE	N/A	N/A		7631-95-0
FERRIS SULFATE	N/A	N/A		7782-83-0
BORON	N/A	N/A		1319-33-1

## SECTION 3- PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: N/A N/A Specific Gravity: 1.35 Vapor Pressure: N/A

Vapor Pressure: N/A Reactivity in Water SOLUBLE Melting Point: N/A

Appearance and Odor: DARK BROWN IN COLOR WITH SWEET SMELL

## SECTION 4- FIRE & EXPLOSION DATA

Flash Point: N/A (FARENHEIT) Method Used: N/A

Flammable Limits in Air: N/A LEL Lower: N/A

UEL Upper: N/A Auto-Ignition Temp: N/A

Extinguisher Media: NON FLAMMABLE. IF INVOLVED IN FIRE; CAN EXTINGUISH WITH DRY CHEMICAL CO2, WATER SPRAY OR FOAM.

Special Fire Fighting Procedures: NON-FLAMMABLE. THIS PRODUCT DOES NOT SUPPORT COMBUSTION. IF HEATED TO DECOMPOSITION, NITRATE ION WILL SUPPORT COMBUSTION OF FLAMMABLE MATERIAL. 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

Unstable

Conditions to Avoid: INTENSE HEAT

Incompatibility Materials to Avoid!: FLAMMABLE OR EASILY OXIDIZED MATERIALS, INCOMPATIBLE TO PHOSPHATE FERTILIZERS, ACIDIC; HIGHLY CORROSIVE TO METAL.

Hazardous Decomposition Products: CU FUMES, VAPORS & SPRAY MIST – CO, CO2 (Sox ORGANIC) METALLIC OXIDES AND CL2 VAPORS.

Hazardous Polymerization:

May Occur:

Will Not Occur:

Conditions to Avoid: N/A

## SECTION 6 - HEALTH HAZARDS

ACUTE: DIRECT CONTACT MAY CAUSE EYE AND SKIN IRRITATION.

CHRONIC: WHEN EXPOSED TO VAPORS FROM HEATED MATERIALS 120 DEG F OR ABOVE, SLIGHT HEADACHE MAY OCCUR WHEN ADEQUATE VENTILATION IS NOT MAINTAINED.

CARCINOGEN : \_\_\_\_\_ NTP

\_\_\_\_\_ OSHA

LISTED IN: \_\_\_\_\_ IARC MONOGRAPH

\_\_\_\_\_ X \_\_\_\_\_ NOT LISTED

### ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES

1. Inhalation: NO HAZARD UNDER NORMAL CONDITIONS. IF NECESSARY MOVE VICTIM TO FRESH AIR. IF SYSTEMS PERSIST CALL A PHYSICIAN. ADMINISTER CPR IF NECESSARY.

2. Eyes: FLUSH EYES WITH RUNNING WATER FOR 15 MINUTES. IF REDNESS PERSISTS SEEK MEDICAL ATTENTION.

3. Skin: REMOVE CONTAMINATED CLOTHING, WASH WITH CLEAN WATER AND SOAP. PUT ON CLEAN CLOTHES.

4. Ingestion: GIVE LARGE AMOUNTS OF WATER. DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY.

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken

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 of Release or Spill: DIKE AREA AND MAXIMIZE RECOVERY. PUMP INTO A TANK OR ABSORB WITH DIATOMACEOUS EARTH OR SAND. SWEEP UP AND PLACE INTO CONTAINERS FOR LAND APPLICATION AT RECOMMENDED RATES. PREVENT ENTRY INTO SEWERS OR WATERWAYS. CLEAN UP AT ONCE; DO NOT ALLOW DRY PRODUCT TO COME IN CONTACT WITH HEAT OR IGNITION SOURCES.

Environmental

Precautions: RELATIVELY LOW TOXICITY TO FISH AND AQUATIC ORGANISMS. DO NOT CONTAMINATE ANY WATERWAY, LAKE, STREAM OR ESTUARY BY DIRECT APPLICATION OF CLEANING OF EQUIPMENT OR DISPOSAL. TRIPLE RINSE CONTAINERS AND OFFER FOR RECYCLING OR DISPOSE OF IN AN APPROVED LANDFILL. CONSULT FEDERAL, STATE AND LOCAL REGULATIONS FOR PROPER DISPOSAL.

## SECTION 8 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: NONE REQUIRED IF USED IN OPEN UNDER NORMAL CONDITIONS. RESPIRATORY PROTECTION MAY BE REQUIRED IN THE EVENT OF A SPILL IN AN ENCLOSED AREA. USE SCBA WHEN FIGHTING FIRES.

Ventilation: USE IN OPEN AREA ONLY

Protective Gloves: IMPERVIOUS GLOVES FROM RUBBER, NEOPRENE OR NITRILE

Eye Protection: SIDE-SHIELDED SAFETY GLASSES OR CHEMICAL SPLASH-PROOF GOGGLES.

Clothing or equipment: EYE WASH STATION WITH SAFETY SHOWER. USE OF CHEMICALLY RESISTANT APRON MAY BE REQUIRED FOR SOME ACTIVITIES.

Hygienic Work Practice: BATHE AND CHANGE CLOTHES DAILY. WASH CONTAMINATED CLOTHES SEPARATE FROM OTHER LAUNDRY.

## SECTION 9- TRANSPORT AND REGULATORY INFORMATION

Proper Shipping Name: NONE

Hazard Class Number: NONE

Description: NONE

UN Identification Number: NONE

Packing Group: NONE

DOT Label(s) Required: NONE

NFPA CODE: Health = 1                      Flammability = 0                      Reactivity = 0

Toxicity: \_\_\_\_\_

Notes: THIS PRODUCT IS NOT REGULATED BY EPCRA OR ANY OF THE PROVISIONS OF SARA TITLE III.

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