

Trade name: Mancozeb 6% plus Bark  
Registration No:11682-35-59931

## MATERIAL SAFETY DATA SHEET



# POWER-LINE

## Potato Seed Treat

### Mancozeb 6% Plus Bark

#### PRODUCT AND COMPANY IDENTIFICATION SECTION 1

**Chemical Product:**

**Product Name:** Mancozeb 6% Plus Bark

**Chemical Type:** Carbamate Fungicide

**Manufactured By:**

Land View, Inc.  
PO Box 475  
Rupert, ID 83350

**Emergency Phone Numbers:**

Emergency Telephone: 24-Hour Emergency HAZMAT Response (800) 229-5252  
EPA National Response Center: (800) 424-8802

#### INGREDIENTS SECTION 2

Chemical Name and Synonyms	CAS NO.	Chemical Formula	WT% Hazardous	TLV	PEL
Manzate 200 or Dithane M-45 Manganese-ethylene bis-dithiocarbamate Zinc complex, EBDC	8018-01-7	$C_4H_6N_2S_4MnZn$	6	N.E .	N/A
Non-hazardous ingredients:		Non-hazardous 94			
Gypsum	10101-41-4	$CaSO_4 \cdot 2H_2O$		N/A	5mg/M <sup>3</sup> Respirable
Talc	14807-96-6	$Mg_3H_2(SiO_3)_4$		2mg/M <sup>3</sup> Respirable	TWA 2 mg/M <sup>3</sup>

#### HAZARDOUS IDENTIFICATION SECTION 3

**Ingestion:** This product is not considered toxic by ingestion.

**Inhalation:** inhalation of dust that contains manganese and in some cases zinc can cause progressive poisoning. Some early symptoms of manganese poisoning are apathy, loss of appetite and weakness.

**Eye Contact:** May cause slight distress to eyes.

**Skin Absorption:** Non-toxic by absorption.

**Skin contact:** May cause aggravation to skin.

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**Effects of overdose:** Early symptoms of manganese poisoning are apathy, loss of appetite and weakness. Aggravation/distress to eyes, nose, throat, and skin. Prolonged exposure to eyes may cause inflammation to the retina.

## FIRST AID MEASURES

### SECTION 4

**Ingestion:** If swallowed drink 1 to 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

**Inhalation:** Move person to fresh air. Get medical attention.

**Eyes:** If in eyes, flush with water for at least 15 minutes. Get medical attention.

**Skin:** Wash skin with mild soap and running water. If condition continues, get medical attention.

## FIRE FIGHTING MEASURE

### SECTION 5

**Extinguishing Media:** Water fog, Dry chemical, CO<sub>2</sub>

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus. Use water spray to cool fire-exposed containers.

**Unusual Fire and Explosion Hazards:** Hazardous and flammable gasses are evolved when product is heated above 176 °F.(80°C)

## ACCIDENTAL RELEASE MEASURES

### SECTION 6

**Environmental Precautions:** This pesticide is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not allow this product to drift onto neighboring crops or use in a manner different from the label directions. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

**Steps to be taken in case material is released or spilled:** Sweep or shovel or vacuum into containers for disposal or reworking. Keep dusting to a minimum. Cover or incorporate spilled treated seed.

## HANDLING AND STORAGE

### SECTION 7

**Precautions to be taken in handling and storing:** Store in a cool dry place. Avoid contact with floor and moisture. Do not contaminate water, food, or feed by storage or disposal.

## EXPOSURE CONTROL/PERSONAL PROTECTION

### SECTION 8

**Ventilation Protection:** Mechanical local exhaust preferred to keep dust at a safe level.

**Respiratory Protection:** Dust mask or air-supplied respirator in a dusty environment.

**Protective Clothing:** Applicators and other handlers must wear: Coveralls over long-sleeved shirt and long pants, waterproof gloves, shoes and socks. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**Eye Protection:** Safety glasses or chemical goggles in a dusty environment.

**Other:** Eye wash fountain and safety shower or washing facilities available nearby. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

## PHYSICAL AND CHEMICAL PROTECTION

### SECTION 9

<b>Boiling Point:</b>	Decomposes	<b>Solubility in water</b>	Negligible
<b>Density:</b>	Not available	<b>% Volatiles (by volume)</b>	Not applicable
<b>Flashpoint:</b>	Not available	<b>Vapor Pressure,mm Hg:</b>	Not applicable
<b>PH:</b>	Not available	<b>Reaction with water</b>	None
<b>Appearance:</b>	Off white or light tan powder, slight sulfur odor		
<b>Extinguishing Media:</b>	Water spray, dry chemical, foam, CO <sub>2</sub>		

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## STABILITY AND REACTIVITY SECTION 10

**Stability (Normal Conditions):** Stable

**Conditions to Avoid:** Keep dry and avoid excessive heat and ignition sources.

**Incompatibility (Material to Avoid):** Oxidizing materials, acids.

**Hazardous Decomposition Products:** Thermal decomposition may yield oxides of carbon, nitrogen, and sulfur as well as hydrogen sulfide and carbon disulfide.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None

## TOXICOLOGY INFORMATION SECTION 11

**Ingestion:** Acute oral toxicity rat LD<sub>50</sub>:>800 mg/kg(Tech).

## ECOLOGICAL INFORMATION SECTION 12

None listed.

## DISPOSAL CONSIDERATIONS SECTION 13

**Waste Disposal Procedures:** Completely empty bag into application equipment. Then dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Wastes resulting from the use of this product may be disposed of on site at an approved waste disposal facility.

## TRANSPORT INFORMATION SECTION 14

<b>Shipping Name:</b>	Not regulated by D.O.T	<b>C.A.S Number:</b>	<b>8018-01-7</b>
<b>Hazard Class:</b>	None	<b>D.O.T Number:</b>	<b>None</b>
<b>Reportable Quantity (RQ)</b>	None	<b>Haz Waste No:</b>	<b>None</b>
<b>Labels Required</b>	None	<b>EPA Regist No:</b>	<b>11682-35-59931</b>
<b>Placard</b>	None		

## REGULATORY INFORMATION SECTION 15

**Carcinogenicity**

**By IARC?:** Yes() No(X) **by NTP:** Yes() No(X)

Zinc oxide is a suspected human carcinofen SAX (7<sup>th</sup> Edition/1989).

This Product contains manfanese (1.2%). CAS No 7439-96-5, which is subject to the reporting requirements of section 313 of Title III of the Superfund Amendments Act of 1986 and 40 CFR part 372.

## OTHER INFORMATION SECTION 16

<b>Flash Point (Test Method)</b>	<b>280°F T.O.C (Tech)</b>	<b>Flammable Limits</b>	<b>Lower</b>	<b>Upper</b>
<b>Autoignition Temperature</b>	113°-117°C	(% by volume)	N/A	0.29g/liter
<b>Hazard Rating (N.F.P.A.):</b>	<b>Health: 1</b>	<b>Fire: 0</b>	<b>Reactivity: 0</b>	<b>Specific:</b> Not applicable

This N.F.P.A. rating is recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association (N.F.P.A)

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