



## Safety Data Sheet

Report Date 12-Jul-18

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### 1. Identification

**Product Name** : OMNI BRAND MANCOZEB 75 WDG  
**Synonyms** : None  
**Product Use** : Fungicide  
**Manufacturer/Supplier** : Helena Agri-Enterprises, LLC  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

### 2. Hazard Identification



**Signal Word** : Warning  
**Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Acute Toxicity Oral** : LD50 >5,000 mg/kg (rat)  
**Acute Toxicity Dermal** : LD50 >2,000 mg/kg (rat)  
**Hazard Categories** : Dermal Toxicity-4; Skin Sensitization-1B; Reproductive Toxicity-2  
**Hazard Statement** : Harmful in contact with skin  
May cause an allergic skin reaction  
Suspected of damaging fertility or the unborn child

### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Mancozeb (a coordination of zinc ion and manganese ethylenebisdithiocarbamate)	8018-01-7	75
Lignosulfonate dispersants	8061-51-6	12-17
Ethylene thiourea	96-45-7	<0.061%
Other nonhazardous inert ingredients	Proprietary	<10

### 4. First Aid Measures



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- Eye** : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Skin** : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
- Inhalation** : Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
- Ingestion** : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth if unconscious.
- Indication of Immediate Medical Attention and Special Treatment Needed** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

### 5. Fire Fighting Measures

- Extinguishing Media** : Non-combustible solid. Use any fire extinguishing media (water, foam, dry chemical, carbon dioxide) which may be used/suitable for nearby fires.
- Specific Hazards Arising from the Chemical** : Hazardous combustion products include carbon disulfide and ethylene thiourea.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : None needed for cleanup of land spills.
- Emergency Procedures** : Avoid contamination of any water bodies, drains or sewers during cleanup and disposal of spills. Advise local authorities of any spillage in water.
- Methods and Materials for Containment and Cleanup** : For small spills, remove contaminated soil and place in suitable containers for disposal. For large spills, Dike around spill area as necessary. If wet, absorb with clay-based absorbent. Remove dry product, absorbent and contaminated soil for disposal in accordance with applicable regulations.

### 7. Handling and Storage

- Precautions for Safe Handling** : Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep out of reach of children. Wear protective gloves/clothing and eye/face protection.
- Conditions for Safe Storage** : Keep containers tightly closed in a cool, well-ventilated place. Avoid contact with strong oxidizing agents and acids.

### 8. Exposure Controls / Personal Protection



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**TLV/PEL** : Nuisance dust: PEL=15 mg/m<sup>3</sup> (total dust).  
**Appropriate Engineering Controls** : General and/or local exhaust should be sufficient.  
**Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

**Odor/Appearance** : Greenish granules; musky/rotten egg odor.  
**Flash Point, °F** : Not flammable  
**Boiling Point, °F** : Not applicable  
**Melting Point(Freezing point), °C** : Not applicable  
**Vapor Pressure, mm Hg @ 20 °C** : Negligible @ 68 Deg. F.  
**Vapor Density** : No information given  
**Solubility in Water** : Dispersible in water  
**Molecular Formula** : Not applicable, formulated mixture.  
**Density, g/mL @ 25 °C** : 36-38 lbs/cu.ft.  
**Evaporation Rate(Butyl Acetate = 1)** : Not applicable  
**Octanol/Water Partition Coefficient** : No information given  
**pH** : Not corrosive  
**Flammable Limits (approximate volume % in air)** : No information found  
**Auto-ignition Temperature** : No information available  
**Decomposition temperature** : No information given

### 10. Stability and Reactivity

**Reactivity** : Not reactive  
**Chemical Stability** : Stable  
**Hazardous Decomposition Products** : Under fire conditions, decomposes to emit carbon disulfide and ethylene thiourea.  
**Hazardous Polymerization** : Will not occur  
**Conditions to Avoid** : No information given  
**Incompatible Materials** : Strong acids, strong oxidizing agents, water, quaternary ammonium salts, EBDC sequestering agents.

### 11. Toxicological Information

**Acute Toxicity (Oral LD50)** : >5,000 mg/kg (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).



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- Acute Toxicity (Dermal LD50)** : >2,000 mg/kg (rat). Harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : 5.3 to 7.38 mg/L (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Likely Routes of Exposure** : Skin absorption
- Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Skin Sensitization** : May cause an allergic skin reaction.
- Carcinogenic** : See note in chronic effects.
- Chronic Effects** : Reproductive Toxicity: Suspected of damaging fertility or the unborn child. ETU, a potential microcontaminant, is considered a probable human carcinogen by EPA, IARC and NTP.
- Other Hazards** : Prop 65 Warning: The state of California has listed mancozeb and ETU as carcinogenic. This product contains trace levels of a component known to the state of California to cause cancer, birth defects or reproductive harm (ethylene thiourea, mancozeb).

### 12. Ecological Information

- Ecotoxicity** : Mancozeb is minimally toxic to mammals, birds, and aquatic organisms.
- Persistence and Degradability** : Mancozeb is rapidly degraded in soil.
- Bioaccumulative Potential** : Mancozeb has minimal solubility in water and is not expected to bioconcentrate in aquatic organisms.
- Mobility in Soil** : Mancozeb is slightly mobile in soil.
- Other Adverse Effects** : No information available

### 13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act. (RCRA waste code U116 for mancozeb)

### 14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT when shipped in non-bulk packages by ground. If shipped in bulk, by air (IATA) or water (IMDG), classified as a Marine Pollutant.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : Listed as a Marine Pollutant on Appendix B to 49 CFR 172.101.
- Transport in Bulk** : If shipped in bulk packages, ship as: UN3077, Environmentally Hazardous Substance, Solid, n.o.s., (Mancozeb), 9, PG III, Marine Pollutant "ERG # 171"
- Special Precautions for Transportation** : If shipped in any size package by air (IATA) or water (IMDG), ship as: UN3077, Environmentally Hazardous Substance, Solid, n.o.s., (Mancozeb), 9, PG III, Marine Pollutant
- Freight Classification** : Pesticides, NOI, Fungicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)



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### 15. Regulatory Information

National Fire Protection :  
Association Rating

Health: 1 Fire: 0 Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard :  
Classification (Yes/No)

Immediate( Acute) Health: Y  
Delayed (Chronic) Health: Y  
Sudden Release of N  
Pressure:  
Fire: N  
Reactive: N

**FIFRA Information** : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Registration Number** : 89333-1-5905

**FIFRA Signal Word** : Caution

**FIFRA Label Statement** : Keep out of reach of children.

**FIFRA Label Statement** : Harmful if absorbed through skin. Causes moderate eye irritation.

**FIFRA Label Statement** : Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**FIFRA Label Statement** : Avoid contact with skin, eyes, or clothing.

**FIFRA Label Statement** : Wash thoroughly with soap and water after handling and before

**FIFRA Label Statement** : eating, drinking, chewing gum or using tobacco or using the toilet.

**FIFRA Label Statement** : Remove and wash contaminated clothing before reuse.

### 16. Other Information

Data of Preparation/Revision : 12-July-2018