



# Safety Data Sheet

Preparation Date 19-May-2015

Revision date 19-May-2015

Revision Number: 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

Product Description: DECCOZOLE A

### Other means of identification

Item#: 24-019A  
Synonyms Not Available  
Registration number(s) 2792-75

### Recommended use of the chemical and restrictions on use

Recommended use Fungicide.  
Uses advised against Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

DECCO  
Decco U.S. Post Harvest, Inc.  
1713 S. California Ave.  
Monrovia, CA 91016-0120

#### Emergency telephone number

Company Phone Number 626-358-1838  
8:00 am - 5:00 pm (PST)  
Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887  
Medical: Rocky Mountain Poison Control Center  
(866) 673-6671 (24hrs)

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4

### Label elements

#### EMERGENCY OVERVIEW

#### WARNING

#### hazard statements

HARMFUL IF SWALLOWED  
Harmful in contact with skin



appearance Off-white

Physical state powder

Odor odorless

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection

IF ON SKIN: Wash with plenty of soap and water  
 Call a POISON CENTER or doctor if you feel unwell  
 Wash contaminated clothing before reuse  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

### 3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Thiabendazole	148-79-8	99.5	

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES**

<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>Skin contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move person to fresh air. If person is 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.
<b>Ingestion</b>	Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

**Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects** No information available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** No information available.

### 5. Fire-fighting measures

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products** Carbon monoxide. Oxides of nitrogen.

**Explosion data****Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment. Avoid contact with the skin and the eyes.

**Environmental Precautions**

**Environmental precautions** Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up**

**Methods for Clean-Up** Sweep up and shovel into suitable containers for disposal. Shovel or sweep up.

## 7. Handling and Storage

**Precautions for safe handling**

**Handling** Avoid contact with skin and eyes. Avoid breathing dust. Keep out of reach of children. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Keep in a well-ventilated place. In case of insufficient ventilation, wear suitable respiratory equipment.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep tightly closed in a dry and cool place. Keep out of the reach of children.

**incompatible materials** No materials to be especially mentioned.

## 8. Exposure Controls/Personal Protection

**Exposure guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering controls** Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Personal protective equipment****Eye/Face Protection**

Avoid contact with eyes. If splashes are likely to occur, wear: Eye/Face Protection.

**Skin protection**

Wear protective gloves/clothing.

**Respiratory protection**

Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

**General hygiene considerations**

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<b>Physical state</b>	powder	<b>Odor</b>	odorless
<b>appearance</b>	Off-white		
<b>color</b>	No information available		

Property	VALUES	Remarks/ • Method
<b>pH</b>	No information available	
<b>Melting point/freezing point</b>	305 °C / 581 °F	
<b>Boiling Point/Range</b>	No information available	
<b>Flash Point</b>	No information available	
<b>Evaporation Rate</b>	No information available	
<b>flammability (solid, gas)</b>	No information available	
<b>Flammability limit in air</b>		
<b>Upper Flammability Limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>vapor pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Specific gravity</b>	No information available	
<b>Water solubility</b>	No information available	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>decomposition temperature</b>	No information available	
<b>Viscosity, kinematic</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**OTHER INFORMATION**

<b>Softening point</b>	No information available
<b>molecular weight</b>	No information available
<b>VOC Content</b>	No information available
<b>density</b>	No information available
<b>Bulk density</b>	No information available

## 10. Stability and Reactivity

**Reactivity**

no data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Keep away from children. Avoid dust formation.

**incompatible materials**

No materials to be especially mentioned.

**Hazardous decomposition products**

Nitrogen oxides (NO<sub>x</sub>). Carbon monoxide.

## 11. Toxicological Information

**Information on Likely Routes of Exposure****Product information**

Decco Salt No. 19  
 Oral LD50 (rat) = EPA Category III 500-5000 mg/kg  
 Dermal LD50 (rabbit) = EPA Category III 2000- 20000 mg/kg

**Inhalation** No known hazard by inhalation.  
**Eye contact** May cause slight irritation.  
**Skin contact** May cause irritation.  
**Ingestion** MAY BE HARMFUL IF SWALLOWED.

**Component Information**

Thiabendazole:  
 Human experience from oral use as a medicinal drug for parasites indicates that it may cause stomach upset, dizziness, drowsiness, nausea, vomiting and fever. Following repeated oral exposure, effects such as suppression of weight gain and kidney damage were observed in rats. Marked depression of weight gain and urinary hyperplasia with notable increase in tumors were observed following long-term oral administration in the drinking water of rats. No adverse effects were observed in long-term oral studies with dogs. Administration in the drinking water and feed of mice, rats and rabbits during pregnancy caused birth defects and other adverse effects on the offspring at doses that were also maternally toxic. Some developmental effects( mainly decreased fetal weight) were observed at doses that were not maternally toxic. No effects were seen on the ability of male or female rats to reproduce when exposed orally for two successive generations. No genetic changes were observed in tests using bacteria, but were observed in tests using animals.

**Information on Toxicological Effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**sensitization** No information available.  
**Mutagenic effects** No information available.  
**Carcinogenicity** There are no known carcinogenic chemicals in this product.  
**Reproductive effects** Not Available.  
**STOT - Single Exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical Measures of Toxicity - Product information**

**LD50 Oral** > 500 mg/kg (rat)  
**LD50 Dermal** > 2000 mg/kg (rat) 0 mg/l (mist) (dust) mg/m<sup>3</sup> 0 ml/m<sup>3</sup> (Vapor)

**12. Ecological Information****ecotoxicity**

Thiabendazole:  
 Highly toxic to Daphnia magna = 96 hr EC50 0.45 mg/L  
 Slightly toxic to Herpacticoid = 96 hr LC50 24 mg/L

**Persistence/Degradability**

No information available.

**Bioaccumulation/ Accumulation**

No information available.

**Other Adverse Effects**

No information available

**13. Disposal Considerations****Waste Treatment Methods****Waste Disposal Method**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. Do not apply directly to wetlands or water. Dispose of contents/container in accordance with local regulation.

**Contaminated packaging**

Refer to product label.

**14. Transport Information****DOT**

NOT REGULATED

**IATA**

NOT REGULATED

**IMDG/IMO**

NOT REGULATED

**15. Regulatory Information**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling 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:

**signal word**

WARNING!

**Ventilation Control**

PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

**Keep out of Reach of Children. May be fatal if inhaled. Causes moderate eye irritation.**

**International Inventories**

<b>USINV</b>	Not determined
<b>DSL/NDSL</b>	Not determined
<b>EINECS/ ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>China</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

TSCA Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372:

Chemical name	SARA 313 - Threshold Values
Thiabendazole - 148-79-8	1.0

**SARA 311/312 Hazardous****Categorization**

Acute health hazard	yes
Chronic health hazard	NO
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CERCLA**

SARA Product RQ 0

**RCRA****Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Thiabendazole 148-79-8 ( 99.5 )			X	

**State Regulations****State Right-to-Know**

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Thiabendazole		X			

**International regulations****U.S. EPA Label information**

EPA Pesticide registration number 2792-75

**16. Other Information**

**NFPA** HEALTH 1 flammability 0 Instability 0 Physical hazard -

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Revision Summary

Update to GHS format

**Disclaimer****CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return product at once, unopened, and the purchase price will be refunded. It is impossible to eliminate all risks associated with the use of this product. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Decco US Post-Harvest, Inc. harmless from any claims relating to such factors.

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