



# Material Safety Data Sheet

<b>NFPA</b>	<b>PPE</b>			

Issued Date 08-Feb-2007

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Revision Number: 7

13-122 - Deccosol 122 Concentrate

## 1. PRODUCT AND COMPANY IDENTIFICATION

**DECCO**  
 Cerexagri, Inc.  
 1713 S. California Ave.  
 Monrovia, CA 91016-0120

**Emergency Telephone Number**  
 Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887  
 Medical: Rocky Mountain Poison Control Center  
 (866) 673-6671 (24hrs)

Company Information  
 Decco-Cerexagri

Contact Information  
 Customer Service

Phone Number  
 626-358-1838

Available Hrs  
 8:00am - 5:00pm (PT)

**Product Name** Deccosol 122 Concentrate  
**EPA Reg #** 2792-28  
**Recommended Use** fungicide  
**Product Code** 13-122

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

Harmful if swallowed  
 May cause blindness

The product causes burns of eyes, skin and mucous membranes

**DANGER!**

**Appearance** Clear, Amber.

**Physical State** Liquid.

**Odor** Not available

Potential Health Effects

- Inhalation
  - Skin contact
- Acute Effects**

Due to the alkaline nature of this material, it is considered to be corrosive to the eyes, skin and respiratory tract and may cause effects on the urinary tract if swallowed. Dilute solutions are also irritating to the eyes, skin, and respiratory tract. Repeated or prolonged contact may cause allergic skin reaction.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients Name**

Chemical Name	CAS-No	Weight %	OSHA PEL



**Methods for Clean-up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

**Handling** Wear personal protective equipment. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. . Keep out of reach of children.

**Storage** Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

**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

#### Skin Protection

#### Respiratory Protection

Goggles. If splashes are likely to occur, wear: Face-shield.

Wear protective gloves/clothing. Chemical resistant gloves. Solvent-resistant apron and boots.

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. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear Amber	<b>Odor</b>	Not available
<b>Physical State</b>	Liquid	<b>pH</b>	(10% dilution) <sup>12</sup>
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	1.109 g/ml	<b>Solubility</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available	<b>VOC Content</b>	Not available
<b>Viscosity</b>	Not available	<b>Molecular Weight</b>	No data available
<b>Bulk Density</b>	No data available	<b>Percent Solids</b>	24.7
<b>Percent Volatiles</b>	Not available		

## 10. STABILITY AND REACTIVITY

**Stability** Stable under recommended storage conditions

**Conditions to Avoid** Keep away from children.

**Incompatible Materials** Strong acids. Strong oxidizing agents.

**Hazardous Decomposition Products** No information available.

**Possibility of Hazardous Polymerization** Hazardous polymerisation does not occur

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity****Component Information****Sodium-o-phenylphenate**

Single exposure studies indicate that this material is slightly toxic to rats if swallowed (LD50 1,049-1,096 mg/kg)

Solutions of 1 and 5% have produced skin irritation in humans following controlled skin contact studies. This material has also been reported to be irritating to the eyes and respiratory tract. Rare cases of allergic skin reaction have been reported in humans. Skin allergy was observed in guinea pigs following repeated skin exposure. Repeated oral administration in rats produced effects on the urinary tract possibly due to the alkaline nature of this material. Long-term oral administration produced an increased incidence of urinary tract tumors in rats and liver tumors in mice. No birth defects were noted in the offspring of mice given this material orally during pregnancy. This material generally produced no genetic changes in standard tests using bacterial or animal cells and animals.

**Sodium hydroxide**

Single exposure studies indicate that this material is slightly toxic if absorbed through skin (rat LD50 1,350 mg/kg) and corrosive to rabbit eyes and skin. Many publications in the scientific literature confirm that this material is corrosive to all tissues. Repeated inhalation resulted in lung damage in rats. No tumors were seen in long-term animal studies. No genetic changes were observed in tests using bacteria.

No significant increases in mortality in relation to duration or intensity of exposures were reported in an epidemiologic study of a small group of workers exposed to caustic dust for 30 + years. Massive ingestion of this material has been implicated as causing esophageal cancer. Squamous cell carcinomas of the esophagus occurred approximately 12-24 years later in individuals who survived accidental childhood ingestion and are likely due to the tissue destruction and possible scarring of the esophagus rather than a direct effect of this material.

**Sodium metasilicate**

Single exposure studies indicate that this material is slightly toxic to rats if swallowed (rats LD50 800-1,349 mg/kg) corrosive to mucous membranes of the gastrointestinal tract causing vomiting and bleeding) and corrosive to rabbit eyes and skin (4 hr and 24 hr exposures).

No immunologic sensitization was produced in rabbits with sodium silicate bound to protein. Studies of continuous dietary administration (2400 mg/kg/day) to rats and dogs for 4 weeks resulted in excessive thirst and urination and, in dogs only, degeneration of kidney tubules. This material produced no genetic changes in standard tests using bacterial cells. It is rapidly absorbed after oral administration and excreted in the urine.

**Chronic Toxicity**

There are no known carcinogenic chemicals in this product

**Carcinogenicity****12. ECOLOGICAL INFORMATION****Ecotoxicity**

Sodium o phenylphenate

48 hr TLm: >10 ppm (Clam eggs)  
 12 day TLm: 0.75 ppm (Clam larvae).  
 Sodium hydroxide

Data from several species of fish showed a range of tolerance (brook trout - spotfin and Lake Emerald shiners - minnows - mosquitofish - goldfish) that was most likely related to changes in the pH produced by addition of sodium hydroxide to the water. The minimum lethal concentration for minnows, Mayfly larvae and Daphnia was 100 ppm and for Chironomus larvae 700 ppm.

### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	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..
<b>Contaminated Packaging</b>	Refer to product label.

### 14. TRANSPORT INFORMATION

#### DOT

<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, sodium metasilicate)
<b>Hazard Class</b>	8
<b>UN-No</b>	3266
<b>Packing Group</b>	PG II
<b>Reportable Quantity (RQ):</b>	1,000

#### ICAO

<b>UN-No</b>	3266
<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, sodium metasilicate)
<b>Hazard Class</b>	8
<b>Packing Group</b>	PG II

#### IATA

<b>UN-No</b>	3266
<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, sodium metasilicate)
<b>Hazard Class</b>	8
<b>Packing Group</b>	PG II

#### IMDG/IMO

<b>Proper Shipping Name</b>	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, sodium metasilicate)
<b>Hazard Class</b>	8
<b>UN-No</b>	3266
<b>Packing Group</b>	PG II

### 15. REGULATORY INFORMATION

#### International Inventories

Sodium hydroxide	
<b>DSL</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>ENCS</b>	Listed
<b>CHINA</b>	Listed
<b>KECL</b>	Listed
Propylene Glycol	
<b>DSL</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>ENCS</b>	Listed
<b>CHINA</b>	Listed
<b>KECL</b>	Listed
Sodium metasilicate	
<b>DSL</b>	Listed
<b>EINECS/ELINCS</b>	Listed

<b>ENCS</b>	Listed
<b>CHINA</b>	Listed
<b>KECL</b>	Listed
Sodium o-phenyl-phenate	
<b>DSL</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>ENCS</b>	Listed
<b>CHINA</b>	Listed
<b>KECL</b>	Listed
Sulfonated dodecyl diphenyl oxide	
<b>DSL</b>	Listed
<b>CHINA</b>	Listed
<b>KECL</b>	Listed

**USA**

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

<b>Chronic Health Hazard</b>	No
<b>Acute Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide	1000 lbs			Listed.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following HAPs:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Propylene Glycol	57-55-6	10		Listed.		
Sodium o-phenyl-phenate	132-27-4	13.4	Listed.			

**CERCLA**

Chemical Name	RQ
Sodium hydroxide	Listed.
Sodium o-phenyl-phenate	Listed.

**RCRA**

**Pesticide Information**

**State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	Category	California Prop. 65
Sodium o-phenyl-phenate	132-27-4		Listed. Listed: January 1, 1990 Carcinogenic. 200 ug/day

**State Right-to-Know**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium hydroxide	Listed.			Listed.	

Propylene Glycol			Listed.		Listed.
Sodium o-phenyl-phenate	Listed.			Listed.	

**International Regulations**

Mexico - Grade Not available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Not determined

**16. OTHER INFORMATION**

Revision Date 18-Dec-2008

Revision Summary  
Update section 15

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End of MSDS