



# 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:** Deccosol 122 Concentrate

### Other means of identification

**Item#:** 13-122  
**UN-No** 3266  
**Synonyms** Not Available  
**Registration number(s)** 70506-28

### 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 - Dermal              | Category 4 |
| Acute toxicity - Inhalation (Vapors) | Category 3 |
| Skin Corrosion/Irritation            | Category 1 |
| Serious eye damage/eye irritation    | Category 1 |

### Label elements

#### EMERGENCY OVERVIEW

**DANGER**

#### hazard statements

Harmful in contact with skin  
Toxic if inhaled  
Causes severe skin burns and eye damage



**appearance** clear amber**Physical state** liquid**Odor** No information available**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

Call a POISON CENTER or doctor if you feel unwell

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

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

- Toxic to aquatic life
- May be harmful in contact with skin

### 3. Composition/information on Ingredients

| Chemical name           | CAS-No    | Weight % | Trade secret |
|-------------------------|-----------|----------|--------------|
| Sodium hydroxide        | 1310-73-2 | 4.6      |              |
| Sodium metasilicate     | 6834-92-0 | 2.76     |              |
| Sodium o-phenyl-phenate | 132-27-4  | 13.4     |              |

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****Eye contact**

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.

**Skin contact**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

**Inhalation**

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.

**Ingestion**

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** Treat symptomatically.

**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.

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

**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. Do not flush into surface water or sanitary sewer system.

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

**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****Precautions for safe handling**

**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.

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

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

**incompatible materials** Strong acids. Strong oxidizing agents.

**8. Exposure Controls/Personal Protection**

**Exposure guidelines**

| Chemical name    | ACGIH TLV                    | OSHA PEL   |
|------------------|------------------------------|--|
| Sodium hydroxide | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup> |

**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**

#### **Information on basic physical and chemical properties**

|   |                          |                          |                          |
|---|--------------------------|--------------------------|--------------------------|
| <b>Physical state</b>                         | liquid                   | <b>Odor</b>              | No information available |
| <b>appearance</b>                             | clear amber              |                          |                          |
| <b>color</b>                                  | No information available |                          |                          |
| <b>Property</b>                               | <b>VALUES</b>            | <b>Remarks/ • Method</b> |                          |
| <b>pH</b>                                     | 12                       |                          |                          |
| <b>Melting point/freezing point</b>           | 13                       |                          |                          |
| <b>Boiling Point/Range</b>                    | No information available |                          |                          |
| <b>Flash Point</b>                            |                          |                          |                          |
| <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>                       | 1.109 g/ml               |                          |                          |
| <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 |

**density** No information available  
**Bulk density** 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.

### incompatible materials

Strong acids. Strong oxidizing agents.

### Hazardous decomposition products

No information available.

## 11. Toxicological Information

### Information on Likely Routes of Exposure

#### Product information

Deccosol 122:  
 Oral LD50 (rat) = >5000 mg/kg

Dermal LD50 (rabbit)= >2000 mg/kg  
 Inhalation LC50 (rat) = >2.04 mg/L  
 Eye irritation (rabbit) = 103 @ 72 hrs.  
 Dermal irritation (rabbit) = 4.1

**Inhalation** May cause irritation of respiratory tract.

**Eye contact** Corrosive.

**Skin contact** May cause irritation.

**Ingestion** MAY BE HARMFUL IF SWALLOWED.

| Chemical name                    | LD50 Oral           | LD50 Dermal             | LC50 Inhalation |
|----------------------------------|---------------------|-------------------------|-----------------|
| Sodium hydroxide<br>1310-73-2    | -                   | = 1350 mg/kg ( Rabbit ) | -               |
| Sodium metasilicate<br>6834-92-0 | = 600 mg/kg ( Rat ) | -                       | -               |

### 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** The information below indicates whether any agency has listed any ingredient as a carcinogen.

| Chemical name                       | ACGIH | IARC     | NTP | OSHA |
|-------------------------------------|-------|----------|-----|------|
| Sodium o-phenyl-phenate<br>132-27-4 | -     | Group 2B |     | X    |

**Reproductive effects** Not Available.

**STOT - Single Exposure** No information available.

**STOT - repeated exposure** No information available.

**Target organ effects** Respiratory System, EYES, skin.

**Aspiration hazard** No information available.

**Numerical Measures of Toxicity - Product information**

**LD50 Oral** > 5000 mg/kg (rat)  
**LD50 Dermal** > 2000 mg/kg (rat)  
**LC50 Inhalation:** Inhalation LC50 > 2.04 mg/l (rat)

**12. Ecological Information**

**ecotoxicity**

Toxic to fish

**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** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging** Refer to product label.

| Chemical name           | RCRA | RCRA - Basis for Listing          | RCRA - D Series Wastes | RCRA - U Series Wastes |
|-------------------------|------|-----------------------------------|------------------------|------------------------|
| Sodium o-phenyl-phenate |      | Included in waste stream:<br>K060 |                        |                        |

|               |                  |
|---------------|------------------|
| Chemical name | Sodium hydroxide |
|---------------|------------------|

**14. Transport Information**

**DOT**

**UN-No** 3266  
**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s (Sodium hydroxide, sodium metasilicate)  
**Hazard class** 8  
**Packing group** PG II  
**Reportable Quantity (RQ):** 1,000

**ICAO**

**UN-No** 3266  
**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s (Sodium hydroxide, sodium metasilicate)  
**Hazard class** 8  
**Packing group** PG II

**IATA**

**UN-No** 3266

**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s (Sodium hydroxide, sodium metasilicate)  
**Hazard class** 8  
**Packing group** PG II

**IMDG/IMO**

**UN-No** 3266  
**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s (Sodium hydroxide, sodium metasilicate)  
**Hazard class** 8  
**Packing group** PG II

## 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** DANGER!

**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. Corrosive. Causes irreversible eye damage. Toxic to fish.**

**International Inventories**

**USINV** Not determined  
**DSL/NDSL** Not determined  
**EINECS/ELINCS** Does not comply  
**ENCS** Complies  
**China** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Does not comply  
**TSCA** Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - 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 40 of the Code of Federal Regulations, Part 372:

| Chemical name                      | SARA 313 - Threshold Values |
|------------------------------------|-----------------------------|
| Sodium o-phenyl-phenate - 132-27-4 | 0.1                         |

**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

| Chemical name                 | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hydroxide<br>1310-73-2 | 1000 lb                     |                        |                           | X                          |

| Chemical name                 | RQ      | CERCLA EHS RQs | RQ                                     |
|-------------------------------|---------|----------------|--|
| Sodium hydroxide<br>1310-73-2 | 1000 lb |                | RQ 1000 lb final RQ RQ 454 kg final RQ |

**CERCLA**

| Component                             | RQ      |
|---------------------------------------|---------|
| Sodium hydroxide<br>1310-73-2 ( 4.6 ) | 1000 lb |

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 |
|--|------------------------|---|--|--|
| Sodium hydroxide<br>1310-73-2 ( 4.6 )        |                        |   | X                                      |  |
| Sodium metasilicate<br>6834-92-0 ( 2.76 )    |                        |   | X                                      |  |
| Sodium o-phenyl-phenate<br>132-27-4 ( 13.4 ) |                        |   | X                                      |  |

**State Regulations**

| Component                                    | CAS-No   | CATEGORY   | California Prop. 65 | Non-additive, corrosive chemical type |
|--|----------|------------|---------------------|---------------------------------------|
| Sodium o-phenyl-phenate<br>132-27-4 ( 13.4 ) | 132-27-4 | Carcinogen | Carcinogen          |                                       |

**State Right-to-Know**

| Chemical name           | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|-------------------------|---------------|------------|--------------|----------|--------------|
| Sodium hydroxide        | X             | X          | X            |          |              |
| Sodium o-phenyl-phenate | X             | X          |              | X        |              |

**International regulations**

**U.S. EPA Label information**

EPA Pesticide registration number 2792-28

**16. Other Information**

**NFPA** HEALTH 3 flammability 0 Instability 0 Physical hazard -

Preparation Date 19-May-2015

Revision date 19-May-2015

**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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**End of MSDS**