



# Material Safety Data Sheet

|             |            |  |  |
|-------------|------------|--|--|
| <b>NFPA</b> | <b>PPE</b> |  |  |
|             |            |  |  |

Issued Date 19-Feb-2007

Revision Date 16-Dec-2008

Revision Number: 5

24-550 - DeccoNatur(TM) 550

## 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** DeccoNatur(TM) 550  
**Recommended Use** Organic fruit and vegetable coating  
**Product Code** 24-550

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
 May cause eye and skin irritation  
 May be harmful if swallowed  
 May be harmful if inhaled.

**CAUTION**

**Appearance** White.

**Physical State** Emulsion.

**Odor** Not available

Potential Health Effects

- Inhalation
- Skin contact

**Eyes**  
**Skin**  
**Inhalation**  
**Ingestion**

Avoid contact with eyes. Can cause slight to moderate irritation to the eyes..  
 Avoid contact with skin. May cause skin irritation.  
 May cause irritation of respiratory tract.  
 Ingestion may cause irritation .

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients Name**

| Chemical Name | CAS-No | Weight % | OSHA PEL |
|---------------|--------|----------|----------|
|               |        |          |          |

|                  |          |     |     |
|------------------|----------|-----|-----|
| Sodium carbonate | 497-19-8 | <20 | N/A |
|------------------|----------|-----|-----|

#### 4. 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.<br>If symptoms persist, call a physician |
| <b>Skin Contact</b>       | Wash off with warm water and soap<br>If symptoms persist, call a physician<br>Remove and wash contaminated clothing before re-use   |
| <b>Inhalation</b>         | Move person to fresh air.<br>If person is not breathing, call 911 or an ambulance, then give artificial respiration.  |
| <b>Ingestion</b>          | Call a physician or poison control center for treatment advice.<br>Do not induce vomiting without medical advice<br>Never give anything by mouth to an unconscious person                         |
| <b>Notes to Physician</b> | No information available  |

#### 5. FIRE-FIGHTING MEASURES

##### Flammable Explosive Properties

**Flash Point** Not available  
**Autoignition Temperature** Not available

**Flammability Limits in Air** Not available

**Extinguishing Media** Use: Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>).

**Fire/Explosion Hazard** Firefighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear and self-contained breathing apparatus. Fire fighting equipment should be thoroughly decontaminated after use.

**Hazardous Combustion Products** None known.

**NFPA** Health 1 Flammability 0 Instability 0

#### 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Avoid contact with the skin and the eyes. Use personal protective equipment.  |
| <b>Environmental Precautions</b> | 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.. |
| <b>Methods for Clean-up</b>      | 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

|                 |   |
|-----------------|---|
| <b>Handling</b> | Keep out of reach of children. Avoid contact with skin and eyes. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Keep away from open flames, hot surfaces and sources of ignition. Remove and wash contaminated clothing before re-use. |
|-----------------|---|

**Storage** Keep tightly closed in a dry and cool place.

## 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. Use eye protection to avoid eye contact. . Where there is potential for eye contact have eye flushing equipment available..

#### **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. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                            |                   |                            |                   |
|----------------------------|-------------------|----------------------------|-------------------|
| <b>Appearance</b>          | White             | <b>Odor</b>                | Not available     |
| <b>Physical State</b>      | Emulsion          | <b>pH</b>                  | approx.8.7        |
| <b>Boiling Point/Range</b> | Not available     | <b>Melting Point/Range</b> | Not available     |
| <b>Specific Gravity</b>    | 0.9830 g/cc       | <b>Solubility</b>          | Miscible          |
| <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>           | 30 cps (+/- 10)   | <b>Molecular Weight</b>    | No data available |
| <b>Bulk Density</b>        | No data available | <b>Percent Solids</b>      | 14%               |
| <b>Percent Volatiles</b>   | Not available     |                            |                   |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability</b>                               | Stable under recommended storage conditions |
| <b>Conditions to Avoid</b>                     | Heat, flames and sparks                     |
| <b>Incompatible Materials</b>                  | Acids. oxidizers.                           |
| <b>Hazardous Decomposition Products</b>        | Carbon dioxide (CO2). Carbon monoxide.      |
| <b>Possibility of Hazardous Polymerization</b> | Hazardous polymerisation does not occur     |

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### **Component Information**

Sodium carbonate

Single exposure studies indicate that this material is slightly toxic if swallowed (rat LD50 2,880-4,090 mg/kg) or inhaled (rat LC50 2hr 2.3mg/l), slightly irritating to human and rabbit skin and severely irritating to rabbit eyes. Workers

exposed to dust in mining operations have reported upper respiratory irritation, coughing, nasal septum perforations and increased evidence of lung function impairment. Accidental swallowing or inhalation of laundry powders containing this material by children resulted in upper respiratory distress, and in once case, death. Symptoms of poisoning include abdominal pain and inflammation of the gastrointestinal tract. No skin allergy was observed in guinea pigs following repeated exposure. Inhalation exposure of rats showed damage to the ciliated epithelia of the trachea and acute inflammation of the larynx. Human subjects with preexisting mild asthma showed no decrease in lung function when exposed to aerosols containing this and other sodium compounds. Administration to rats and mice during pregnancy resulted in no increase in birth defects in the offspring. No genetic changes were observed in tests using bacteria or animal cells.

### Chronic Toxicity

There are no known carcinogenic chemicals in this product

### Carcinogenicity

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Sodium carbonate

This material is practically non-toxic to bluegill (96 hr LC50 300 mg/l) mosquito fish (96 hr LC50 740 mg/l) algae (120 hr EC50 242 mg/l) and Daphnia magna (48 hr LC50 265-565 mg/l) It is slightly toxic to fathead minnow (median tolerated level 32.7 mg/L).

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method

Dispose of in accordance with all applicable federal, state, and local laws and regulations.

### Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

Sodium carbonate

|                      |        |
|----------------------|--------|
| <b>DSL</b>           | Listed |
| <b>EINECS/ELINCS</b> | Listed |
| <b>ENCS</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 Title 40n of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

|                                   |     |
|-----------------------------------|-----|
| Chronic Health Hazard             | No  |
| Acute Health Hazard               | Yes |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

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

This product does not contain any HAPs.

**CERCLA****RCRA****Pesticide Information****State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**State Right-to-Know****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 16-Dec-2008

**Revision Summary**

Update section 9

UPI, Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with other materials or in any process. Further, since the conditions and methods of use are beyond the control of UPI, Inc. UPI, Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

End of MSDS