



# Material Safety Data Sheet

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

Issued Date 08-Feb-2007

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Revision Number: 2

13-CARNU - DECCO Carnauba

## 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** DECCO Carnauba  
**Recommended Use** High gloss carnauba coating for citrus and apples  
**Product Code** 13-CARNU

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
 May cause allergic skin reaction

**CAUTION**  
**Appearance** Grey, Brown.

**Physical State** Liquid.

**Odor** Not available.

Potential Health Effects

- Inhalation
  - Skin contact
- Acute Effects**

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. Based on its composition, it is anticipated to be practically non-toxic if swallowed or absorbed through skin, and slightly irritating to eyes and skin. On the basis of available information, exposure to this material is not expected to produce significant adverse human health effects; however, use of appropriate good industrial hygiene and safety precautions to control exposure is recommended when handling or using this material.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients Name**

Chemical Name	CAS-No	Weight %	OSHA PEL

Carnauba wax	8015-86-9	100	N/A
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#### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes If symptoms persist, call a physician
<b>Skin Contact</b>	Wash off with warm water and soap Take off contaminated clothing. If skin irritation persists, call a physician
<b>Inhalation</b>	Move person to fresh air. If breathing is difficult, give oxygen If symptoms persist, call a physician
<b>Ingestion</b>	Have person sip a glass of water if able to swallow Do not induce vomiting unless told to do so by a poison control center or doctor Never give anything by mouth to an unconscious person If symptoms persist, call a physician
<b>Notes to Physician</b>	Treat symptomatically

#### 5. FIRE-FIGHTING MEASURES

##### Flammable Explosive Properties

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

**Flammability Limits in Air** Not available

**Extinguishing Media** Use: Water spray Carbon dioxide (CO2) Foam Dry chemical

**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** No information available.

**NFPA**                      **Health** 1                      **Flammability** 0                      **Instability** 0

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with the skin and the eyes.
<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

**Handling** Avoid contact with skin and eyes. Wear personal protective equipment. Keep out of reach of children.

**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.

**Skin Protection**

Wear protective gloves/clothing. Rubber gloves.

**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**

Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Grey Brown	<b>Odor</b>	Not available
<b>Physical State</b>	Liquid	<b>pH</b>	approx.8.5
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	1.001 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>	Not available	<b>Molecular Weight</b>	No data available
<b>Bulk Density</b>	8.35 lb/gal	<b>Percent Solids</b>	Not available
<b>Percent Volatiles</b>	Not available		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	No information available.
<b>Incompatible Materials</b>	No materials to be especially mentioned
<b>Hazardous Decomposition Products</b>	None under normal use
<b>Possibility of Hazardous Polymerization</b>	Hazardous polymerisation does not occur

## 11. TOXICOLOGICAL INFORMATION

### **Acute Toxicity**

### **Component Information**

Carnauba:

Allergic reactions have been observed in some individuals exposed to this material. No adverse effects were observed in rats and dogs following repeated dietary exposure. No adverse effects were seen on the ability of male and female rats to reproduce when given this material in the diet for two successive

generations. This material produced has produced genetic changes in a standard test using bacterial cells.

Morpholine oleate:

No toxic or carcinogenic effects were observed in mice following repeated exposure in their drinking water.

#### **Chronic Toxicity**

There are no known carcinogenic chemicals in this product

#### **Carcinogenicity**

### 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### **Waste Disposal Method**

Dispose of in accordance with local 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**

Carnauba wax

<b>DSL</b>	Listed
<b>EINECS/ELINCS</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**

<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**

#### **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

<b>16. OTHER INFORMATION</b>
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**Revision Date** 18-Dec-2008

**Revision Summary**

Reconfirm MSDS set up a revision date for printing

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End of MSDS