



# Material Safety Data Sheet

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

Issued Date 08-Feb-2007

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Revision Number: 2

24-267 - DECCO Citrus Lustr 267

## 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) 767-5089 (24hrs)

Company Information  
 Decco-Cerexagri

Contact Information  
 Customer Service

Phone Number  
 626-358-1838

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

**Product Name** DECCO Citrus Lustr 267  
**Recommended Use** Citrus wax coating  
**Product Code** 24-267

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
 May cause eye and skin irritation

**Appearance** Transparent, Brown.

**Physical State** Liquid.

**Odor** Not available

**Potential Health Effects**

- Inhalation
- Skin contact

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

May cause slight irritation.  
 May cause mild skin irritation.  
 May be harmful if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients Name**

| Chemical Name     | CAS-No    | Weight % | OSHA PEL |
|-------------------|-----------|----------|----------|
| Morpholine oleate | 1095-66-5 | 1-30     | N/A      |
| Propylene glycol  | 57-55-6   | 1        | N/A      |
| Shellac           | 9000-59-3 | <40      | N/A      |

|        |           |   |     |
|--------|-----------|---|-----|
| Casein | 9000-71-9 | 1 | 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 skin irritation persists, call a physician   |
| <b>Inhalation</b>         | Move person to fresh air.<br>If breathing is difficult, give oxygen<br>If symptoms persist, call a physician   |
| <b>Ingestion</b>          | Have person sip a glass of water if able to swallow<br>Never give anything by mouth to an unconscious person<br>Do not induce vomiting without medical advice<br>If symptoms persist, call a physician |
| <b>Notes to Physician</b> | No information available   |

#### 5. FIRE-FIGHTING MEASURES

##### Flammable Explosive Properties

|                                 |                |
|---------------------------------|----------------|
| <b>Flash Point</b>              | > 100°C        |
| <b>Method</b>                   | Tag closed cup |
| <b>Autoignition Temperature</b> | Not available  |

|                                   |               |
|-----------------------------------|---------------|
| <b>Flammability Limits in Air</b> | Not available |
|-----------------------------------|---------------|

|                            |  |
|----------------------------|--|
| <b>Extinguishing Media</b> | Use: Water spray, Carbon dioxide (CO <sub>2</sub> ), Foam, Dry chemical. |
|----------------------------|--|

|                              |  |
|------------------------------|--|
| <b>Fire/Explosion Hazard</b> | 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. |
|------------------------------|--|

|                                      |             |
|--------------------------------------|-------------|
| <b>Hazardous Combustion Products</b> | None known. |
|--------------------------------------|-------------|

|             |                 |                       |                      |
|-------------|-----------------|-----------------------|----------------------|
| <b>NFPA</b> | <b>Health</b> 1 | <b>Flammability</b> 1 | <b>Instability</b> 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> | Avoid contact with skin and eyes. Wear personal protective equipment. Keep out of reach of children. Do not eat, drink or smoke when using this product. |
| <b>Storage</b>  | Keep containers tightly closed in a dry, cool and well-ventilated place  |

## 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

Avoid contact with eyes. Use eye protection to avoid eye contact. . Goggles.

#### Skin Protection

Rubber gloves. 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. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                            |                   |                            |               |
|----------------------------|-------------------|----------------------------|---------------|
| <b>Appearance</b>          | Transparent Brown | <b>Odor</b>                | Not available |
| <b>Physical State</b>      | Liquid            | <b>pH</b>                  | approx.8.7    |
| <b>Boiling Point/Range</b> | Not available     | <b>Melting Point/Range</b> | Not available |
| <b>Specific Gravity</b>    | 1.03 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>    | 8.6 lb/gal    |
| <b>Bulk Density</b>        | No data available | <b>Percent Solids</b>      | 22%           |
| <b>Percent Volatiles</b>   | Not available     |                            |               |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability</b>                               | Stable under recommended storage conditions |
| <b>Conditions to Avoid</b>                     | Keep away from children.                    |
| <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

Propylene glycol:

Single exposure studies indicate that this material is practically non-toxic if swallowed (rat LD50 21,000 mg/kg) or absorbed through skin (rabbit LD50 20,800 mg.kg) and slightly irritating to rabbit eyes and skin.

This material is widely used in antifreeze, hydraulic fluids, pharmaceutical solvents, food and cosmetics. Workplace experience has shown this material to

have low acute and systemic toxicity. Human patch tests indicate that repeated contact causes mild irritation. Although there have been some reports of skin sensitization, studies with large groups of humans and use in topical medical applications suggest that these are likely irritant rather than sensitization responses.

Repeated administration in the diet or through drinking water to rats and dogs showed essentially no adverse effects other than slight liver toxicity. Similar studies in cats showed increase in Heinz body formation in the red blood cells without anemia. Long-term oral studies in rats, dogs, and cats have shown no evidence of carcinogenic or target organ effects other than increased red blood cell turnover. Long-term inhalation exposure in monkeys showed no adverse effects. Developmental toxicity studies in mice, rats, rabbits and hamsters showed no increased birth defects or other adverse effects on the fetus. Mice and cats had no adverse effects on reproductive ability or development and survival of offspring. No genetic changes were observed in tests using bacteria, animal cells, or animals.

#### Casein:

Workplace case reports indicate that acute overexposure has resulted in lung irritation and allergic respiratory reactions including asthma. Skin allergy has been observed following repeated exposure of humans and guinea pigs in controlled skin contact studies. Human experience indicates that persons allergic to cow's milk may have an increased susceptibility for allergic reactions. Following repeated dietary exposure, mild kidney damage was observed in mice. Kidney, liver and spleen changes were observed in long-term dietary studies in rats, but no adverse effects were observed in mice. No birth defects were noted in the offspring of rats exposed orally during pregnancy. No effects were noted on the ability of male or female rats to reproduce when exposed orally for 5 generations.

#### Morpholine oleate:

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

#### Shellac:

No skin allergy was observed in humans or guinea pigs following repeated exposure (6% cosmetic formulation). Repeated inhalation exposure of rabbits to hair spray formulations containing this material caused no toxicity to the respiratory tract or lungs. Repeated exposure in the feed of rats produced no signs of toxicity or adverse effects on reproductive success or offspring development. No genetic changes were observed in tests using bacteria or animal cells.

Single exposure studies indicate that this material is practically non-toxic if swallowed (rat LD50 >5,000 mg/kg) or absorbed through skin (rabbit LD50 >10,000 mg/kg, 6% cosmetic formulation), non-irritating to rabbit skin (6% cosmetic formulation) and slightly irritating to rabbit eyes (6% cosmetic formulation).

### **Chronic Toxicity**

There are no known carcinogenic chemicals in this product

### **Carcinogenicity**

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

Propylene glycol:

This material is practically non-toxic to rainbow trout (LC50 >50,000 mg/l), guppies (LC50 > 10,000 mg/l), goldfish (LC50 >5,000 mg/l) and Daphnia magna (LC50 >10,000 mg/l)..

### 13. DISPOSAL CONSIDERATIONS

|                               |  |
|-------------------------------|--|
| <b>Waste Disposal Method</b>  | Dispose of in accordance with all applicable federal, state, and local laws and regulations. . |
| <b>Contaminated Packaging</b> | Empty containers should be taken for local recycling, recovery or waste disposal               |

### 14. TRANSPORT INFORMATION

|                 |               |
|-----------------|---------------|
| <b>DOT</b>      | Not regulated |
| <b>ICAO</b>     | Not regulated |
| <b>IATA</b>     | Not regulated |
| <b>IMDG/IMO</b> | Not regulated |

### 15. REGULATORY INFORMATION

#### International Inventories

|                      |        |
|----------------------|--------|
| Morpholine oleate    |        |
| <b>DSL</b>           | Listed |
| <b>EINECS/ELINCS</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 |
| Shellac              |        |
| <b>DSL</b>           | Listed |
| <b>EINECS/ELINCS</b> | Listed |
| <b>ENCS</b>          | Listed |
| <b>CHINA</b>         | Listed |
| <b>KECL</b>          | Listed |
| Casein               |        |
| <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 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 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 | 1        |           | Listed.       |                         |                         |

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

This product does not contain any Proposition 65 chemicals.

**State Right-to-Know**

| Chemical Name    | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|------------------|---------------|------------|--------------|----------|--------------|
| Propylene glycol |               |            | 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

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

**Revision Date**

08-Feb-2007

**Revision Summary**

Update to add NFPA and PPE graphics

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End of MSDS