



# Material Safety Data Sheet

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

Issued Date 12-Jun-2007

Revision Date 13-Jan-2009

Revision Number: 6

13-PEARL - DECCO Pearl Lustr A Citrus Coating

## 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 Pearl Lustr A Citrus Coating  
**Recommended Use** Not available  
**Product Code** 13-PEARL

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

Flammable Liquid  
 Irritating to skin  
 Irritating to eyes

May cause Central Nervous System effects such as dizziness, headache and loss of consciousness and death at high vapor concentrations.

**WARNING!**

**Appearance** Translucent, Amber.

**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.

Isopropanol:  
 Prolonged or repeated contact removes oils from the skin and may dry skin causing irritation, redness and rash. High vapor concentrations may be irritating to the eyes and

respiratory tract, and may result in CNS effects such as headache, dizziness, nausea, drowsiness and, in severe exposures, loss of consciousness. If swallowed, this material may cause digestive tract irritation, vomiting and CNS effects as noted above. Mild to severe lung injury may occur if this material is drawn into the lungs (aspirated) during swallowing, or during vomiting after swallowing. Symptoms of injury may include increased breathing and heart rate, coughing and related signs of respiratory distress.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Morpholine oleate	1095-66-5	4	N/A
Isopropanol	67-63-0	2.5	980 mg/m <sup>3</sup> 400 ppm
Shellac	9000-59-3	<10	N/A
Casein	9000-71-9	<10	N/A

### 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 Wash hands thoroughly after handling If skin irritation persists, call a physician
<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	If swallowed 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 Call a physician or Poison Control Center immediately
<b>Notes to Physician</b>	No information available Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

#### Flammable Explosive Properties

<b>Flash Point</b>	18°C / 65°F
<b>Method</b>	Pensky Martin Closed Cup
<b>Autoignition Temperature</b>	Not available

**Flammability Limits in Air** Not available

**Extngushing Media** Use: Water spray, Foam, Dry chemical.

**Fire/Explosion Hazard** Flammable Flash back possible over considerable distance  
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 2****Flammability 3****Instability 0****6. ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Use personal protective equipment. Avoid contact with the skin and the eyes. Remove all sources of ignition. Pay attention to flashback.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so

**Methods for Clean-up**

Remove all ignition sources. Use non-sparking tools . Ground and bond containers when transferring material. Dam 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**

Avoid contact with skin and eyes. Keep away from open flames, hot surfaces and sources of ignition. Remove all sources of ignition. Ensure adequate ventilation. Keep away from heat, sparks and open flame. - No smoking. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. . Keep out of reach of children. Check that all equipment is properly bonded and grounded.. Keep from freezing; material may coagulate..

**Storage**

Keep from freezing, material may coagulate. Store in cool/well-ventilated place. Keep away from heat and sources of ignition. Static electricity may accumulate when transferring material. All containers must be bonded and grounded during filling and emptying operations..

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL
Isopropanol	200 ppm	980 mg/m <sup>3</sup> 400 ppm

**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**

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.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance  
Physical State**

Translucent Amber  
Liquid

**Odor  
pH**

Not available  
approx.8.8

<b>Boiling Point/Range</b>	212°F	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	1.032 g/cc	<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>	8.61lb/gal	<b>Percent Solids</b>	20
<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. Keep away from open flames, hot surfaces and sources of ignition.
<b>Incompatible Materials</b>	No materials to be especially mentioned.
<b>Hazardous Decomposition Products</b>	No information available.
<b>Possibility of Hazardous Polymerization</b>	Hazardous polymerisation does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

### Component Information

#### 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.

#### 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).

#### Isopropanol:

No skin irritation was reported in humans following a single 24 hour exposure. Low doses (2.6 and 6.4 mg) given daily to human volunteers orally for 6 weeks was without adverse effects on the blood. Signs of toxicity in rodents following single oral or inhalation exposures included sensory irritation, liver effects,

narcosis and CNS depression. Skin irritation and injury were observed in rabbits following repeated skin application, while sensory irritation, liver and kidney changes and narcosis were observed in rats and mice following repeated inhalation. No signs of nervous system toxicity were observed in rats or mice following repeated inhalation in rats following repeated administration in drinking water. No adverse effects were observed in dogs following repeated administration in drinking, while a decrease in body weight gain was the only adverse effect reported in rats. Long-term skin application produced no skin tumors in mice. No increase in lung tumors occurred in mice after long-term inhalation. No signs of neurotoxicity or developmental toxicity were noted in the offspring of rats exposed orally during pregnancy. No birth defects were noted in the offspring of rats and rabbits exposed orally during pregnancy, even at amounts which produced toxic effects in the mothers and offspring. Birth defects were reported in the offspring of rats exposed by inhalation during pregnancy, but only at levels which produced significant adverse effects on the mothers. No genetic changes were observed in tests using bacteria or animal cells or animals.

Single exposure studies indicate that this material is slightly to practically non-toxic if swallowed (rat LD50 4,475-7,990 mg/kg) practically non-toxic if absorbed through the skin (rabbit LD50 6,300-13,000 mg/kg) or inhaled (rat 8 hr LC50 51 mg/l), moderately irritating of rabbit eyes (15.8-27/110) and slightly irritating to rabbit skin (4 hr exposure 2/8)

#### Chronic Toxicity

There are no known carcinogenic chemicals in this product.

#### Carcinogenicity

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Isopropanol:

This material is practically non-toxic to *Daphnia magna* (48 hr ec50 2,285 mg/l), fruit fly (48 hr - LC50 10,200 mg/l), fathead minnow (96 hr LC50 3,200-9,640 mg/l), brown shrimp (96 hr LC50 1,150 mg/l), rainbow trout (96 hr LC50 7,600 mg/l), sheephead minnow (96 hr LC50 12,100 mg/l) and mysid shrimp (96 hr LC50 4,050 mg/l).

##### Chem Fate:

This material will rapidly photooxidize in the atmosphere. It has been shown to be rapidly biodegradable in adapted activated sludge and fresh and salt waste water dilutions (5 day BOD in adapted sludge 99%, 20-day BOD in unadapted sludge 70-78% in fresh water and 72% in salt water). The log Pow is 0.14.

## 13. DISPOSAL CONSIDERATIONS

#### Waste Disposal Method

Can be landfilled or incinerated, when in compliance with local regulations. 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 as per 173.150 (e) of 49 CFR.

#### ICAO

UN-No	1866
Proper Shipping Name	Resin solution
Hazard Class	3
Packing Group	PG II

**IATA**

UN-No 1866  
 Proper Shipping Name Resin solution  
 Hazard Class 3  
 Packing Group PG II  
 ERG Code 3L

**IMDG/IMO**

Proper Shipping Name Resin solution  
 Hazard Class 3  
 UN-No 1866  
 Packing Group PG II  
 EmS No. F-E, S-E

**15. REGULATORY INFORMATION****International Inventories**

Morpholine oleate  
 DSL Listed  
 EINECS/ELINCS Listed  
 CHINA Listed  
 KECL Listed

Isopropanol  
 DSL Listed  
 EINECS/ELINCS Listed  
 ENCS Listed  
 CHINA Listed  
 KECL Listed

Shellac  
 DSL Listed  
 EINECS/ELINCS Listed  
 ENCS Listed  
 CHINA Listed  
 KECL Listed

Casein  
 DSL Listed  
 EINECS/ELINCS Listed  
 CHINA Listed  
 KECL 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**

Chronic Health Hazard No  
 Acute Health Hazard Yes  
 Fire Hazard Yes  
 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 contains the following HAPs:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Isopropanol	67-63-0	2.5		Listed.		

**CERCLA**

<b>Chemical Name</b>	<b>RQ</b>
Isopropanol	Listed.

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

This product does not contain any Proposition 65 chemicals.

**State Right-to-Know**

<b>Chemical Name</b>	<b>Massachusetts</b>	<b>New Jersey</b>	<b>Pennsylvania</b>	<b>Illinois</b>	<b>Rhode Island</b>
Isopropanol	Listed.		Listed.	Listed.	Listed.

**International Regulations****Mexico - Grade**

Mexico - Grade

<b>Chemical Name</b>	<b>Category</b>	<b>Carcinogen Status</b>	<b>Exposure Limits</b>
Isopropanol			980 mg/m <sup>3</sup>

**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>Chemical Name</b>	<b>NPRI</b>
Isopropanol	X

<b>16. OTHER INFORMATION</b>
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**Revision Date**

13-Jan-2009

**Revision Summary**

Update section 15

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End of MSDS