



**1 PRODUCT AND COMPANY IDENTIFICATION**

**DECCO**

Cerexagri, Inc.  
 1713 S. California Ave.  
 Monrovia, CA 91016-0120

**EMERGENCY PHONE NUMBERS:**

Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887  
 Medical: Rocky Mountain Poison Control Center  
 (866) 767-5089 (24Hrs)

Information Telephone Numbers	Phone Number	Available Hrs
	626-358-1838	8:00am - 5:00pm (PT)

Product Name Citrus Lustr 402S  
 Product Synonym(s)  
 Chemical Family Wax emulsion  
 Chemical Formula N/A  
 Chemical Name N/A  
 EPA Reg Num  
 Product Use Citrus wax coating

**2 COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient Name	CAS RegistryNumber	Typical Wt. %	OSHA
Shellac	9000-59-3	>10	N
Morpholine oleate	1095-66-5	4.0 %	N
Casein	9000-71-9	1.0 %	N

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**3 HAZARDS IDENTIFICATION**

**Emergency Overview**

Translucent brown liquid with ammonia odor  
 HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

**Potential Health 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.



#### 4 FIRST AID MEASURES

IN CASE OF CONTACT, flush the area with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops and persists.

IF SWALLOWED, induce vomiting immediately as directed by medical personnel. Get medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air.

#### 5 FIRE FIGHTING MEASURES

##### Fire and Explosive Properties

Auto-Ignition Temperature	NA	
Flash Point	NA	Flash Point Method
Flammable Limits- Upper	NA	
Lower	NA	

##### Extinguishing Media

water spray, carbon dioxide, foam or dry chemical

##### Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

##### Fire and Explosion Hazards

Avoid breathing fumes from fire exposed material.

#### 6 ACCIDENTAL RELEASE MEASURES

##### In Case of Spill or Leak

Small spills may be flushed away with large volume of water. 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.

#### 7 HANDLING AND STORAGE

##### Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Keep container tightly closed.

##### Storage

Keep from freezing; material may coagulate.

#### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Engineering Controls

Investigate engineering techniques to reduce exposures. Provide ventilation if necessary to minimize exposures. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust



## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

systems.

### Eye / Face Protection

Use good industrial practice to avoid eye contact.

### Skin Protection

Minimize skin contamination by following good industrial hygiene practice. Wearing rubber gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

### Respiratory Protection

Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for a 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 or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

### Airborne Exposure Guidelines for Ingredients

The components of this product have no established Airborne Exposure Guidelines

- Only those components with exposure limits are printed in this section.
- Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.
- ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.
- WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	Translucent brown liquid with ammonia odor
pH	8.8 +/- 0.3
Specific Gravity	1.03 g/cc
Vapor Pressure	NE
Vapor Density	NA
Melting Point	NA
Freezing Point	NA
Boiling Point	NA
Solubility In Water	100%
Evaporation Rate	NE
Percent Solids	19.5 +0.75
Viscosity	12 +3 cps
Bulk Density	8.58 lb/gal



## 10 STABILITY AND REACTIVITY

### Stability

This material is chemically stable under normal and anticipated storage and handling conditions.

### Hazardous Polymerization

Does not occur.

### Incompatibility

There are no known materials which are incompatible with this material.

### Hazardous Decomposition Products

None known.

## 11 TOXICOLOGICAL INFORMATION

### Toxicological Information

Data on this material and/or its components are summarized below.

#### 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 or irritation 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.

#### Shellac

Single exposure (acute) 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).

## 12 ECOLOGICAL INFORMATION

### Ecotoxicological Information

No data are available.

### Chemical Fate Information

No data are available.



**13 DISPOSAL CONSIDERATIONS**

**Waste Disposal**

Recover, reclaim or recycle when practical. Dispose of in accordance with federal, state and local regulations.

**14 TRANSPORT INFORMATION**

DOT Name Not regulated by U.S. DOT  
 DOT Technical Name  
 DOT Hazard Class  
 UN Number  
 DOT Packing Group PG  
 RQ

**15 REGULATORY INFORMATION**

**Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)**

Immediate (Acute) Health	Y	Fire	N
Delayed (Chronic) Health	N	Reactive	N
		Sudden Release of Pressure	N

**Ingredient Related Regulatory Information:**

**SARA Reportable Quantities**

	CERCLA RQ	SARA TPQ
Morpholine oleate	NE	
Casein	NE	
Shellac	NE	NE

**New Jersey Right to Know**

This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.  
 Shellac

**16 OTHER INFORMATION**

**Revision Information**

Revision Date 11 MAY 2006 Revision Number 1  
 Supercedes Revision Dated

**Revision Summary**

Update for system

**Key**

NE= Not Established NA= Not Applicable (R) = Registered Trademark

All components used in this product are food grade and conform with 21 CFR (FDA).



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**Citrus Lustr 402S**  
Material Safety Data Sheet

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