



## Material Safety Data Sheet

NFPA	PPE	

Issued Date 08-Feb-2007

Revision Date 14-Jan-2009

Revision Number: 5

24-400 - DECCO Citrus Lustr 400

### 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 Citrus Lustr 400

**Recommended Use**

Citrus wax coating

**Product Code**

24-400

### 2. HAZARDS IDENTIFICATION

**Emergency Overview**

May cause eye and skin irritation  
Flammable Liquid

**WARNING!****Appearance** Brown, Translucent.**Physical State** Liquid.**Odor** Not availablePotential Health Effects

- Inhalation
- Skin contact

**Eyes**  
**Skin**

Irritating to eyes.

Prolonged or repeated contact may cause irritation, redness and rash.. May cause skin irritation.

**Inhalation**

High vapor concentrations may result in CNS effects such as headache, dizziness, nausea, drowsiness, and in severe exposures, loss of consciousness..

**Ingestion**

Mild to severe lung injury may occur if material is drawn into the lungs during swallowing, or during vomiting after swallowing. .

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients Name**

Chemical Name	CAS-No	Weight %	OSHA PEL



**Environmental Precautions** 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..

**Methods for Clean-up** Remove all ignition sources. Use non-sparking tools . Ground and bond containers when transferring material. 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. Keep in suitable and closed containers for disposal.

## 7. HANDLING AND STORAGE

**Handling** Keep out of reach of children. Do not eat, drink or smoke when using this product. Remove all sources of ignition. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Check that all equipment is properly bonded and grounded.. Empty containers may contain hazardous residues. Wash thoroughly after handling. .

**Storage** Store at temperatures below 90 F.. 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.. Store in well ventilated area away from heat and sources of ignition such as flame, sparks and static electricity. Ensure that all storage and handling equipment is properly rated, grounded and installed to satisfy electrical classification requirements. .

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
Ammonium hydroxide	25 ppm	
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**

**Skin Protection**

**Respiratory Protection**

Avoid contact with eyes. Use eye protection to avoid eye contact. . Goggles.  
Wear protective gloves/clothing. Rubber gloves.  
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

Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. 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>	Brown Translucent	<b>Odor</b>	Not available
<b>Physical State</b>	Liquid	<b>pH</b>	approx.9
<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>	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>	12 cps (+/-5)	<b>Molecular Weight</b>	No data available
<b>Bulk Density</b>	8.597 lb/gal	<b>Percent Solids</b>	18.6%

Percent Volatiles Not available

**10. STABILITY AND REACTIVITY**

Stability	Stable under recommended storage conditions
Conditions to Avoid	Keep away from children. Heat, flames and sparks.
Incompatible Materials	Acids. Strong bases.
Hazardous Decomposition Products	Ammonia gas may be liberated upon heating or when product comes in contact with strong alkalies.
Possibility of Hazardous Polymerization	Hazardous polymerisation does not occur

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity****Component Information****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 to rabbit eyes (15.8-27/110) and slightly irritating to rabbit skin (4 hr exposure 2/8)

**Morpholine oleate:**

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

**Ammonium hydroxide**

Single exposure studies indicate that this material is slightly toxic if swallowed (rat LD50 700 mg/kg, 1% solution) and corrosive to eyes and skin. Moderate skin irritation was reported in human volunteers following 4 hr contact with a 10% solution. Skin contact with a 50% solution resulted in painless blisters in 6-12 minutes. Following repeated inhalation in rats, mild nasal discharge, eye irritation, corneal opacities, lung inflammation and death were observed. Lifetime administration in drinking water produced no increased incidence of tumors in two strains of mice. Additionally, no increase in tumors was noted in

life-time inhalation studies in mice. No birth defects were noted in the offspring of rats following skin applications of hair dye formulations containing 9-29% of this material during pregnancy. Weak genetic changes were observed in tests using bacteria.

**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**

**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), sheepshead 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.

**Ammonium hydroxide**

This material is part of the nitrogen cycle in the environment. Large spills will rapidly disperse and do not persist. This material in air will undergo a variety of reactions such as photolytic reactions or reactions with sulfur dioxide or ozone. In water, it undergoes microbial nitrification and is assimilated by aquatic plants or is transferred to sediments or volatilized. In soil, the cation is adsorbed on positively charged clay particles and is relatively immobile. Most undergoes nitrification and the resulting nitrate ion is removed by leaching or by root uptake.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method**

Dispose of in accordance with all applicable federal, state, and local laws and regulations. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. Do not apply directly to wetlands or water. Dispose of contents/container in accordance with local regulation.

**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 1987  
 Proper Shipping Name Alcohols, n.o.s. (Isopropanol)  
 Hazard Class 3  
 Packing Group PG III

**IATA**

UN-No 1987  
 Proper Shipping Name Alcohols, n.o.s. (Isopropanol)  
 Hazard Class 3  
 Packing Group PG III  
 ERG Code 3L

**IMDG/IMO**

Proper Shipping Name Alcohols, n.o.s. (Isopropanol)  
 Hazard Class 3  
 UN-No 1987  
 Packing Group PG III  
 EmS No. F-E, S-D

**15. REGULATORY INFORMATION**

**International Inventories**

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

Ammonium hydroxide  
 DSL Listed  
 EINECS/ELINCS Listed  
 ENCS 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

**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 Yes  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard No

**Clean Water Act**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances

Ammonium hydroxide	1000 lbs		Listed.
--------------------	----------	--	---------

**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	5		Listed.		

**CERCLA**

Chemical Name	RQ
Ammonium hydroxide	Listed.
Isopropanol	Listed.

**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
Ammonium hydroxide	Listed.			Listed.	
Isopropanol	Listed.		Listed.	Listed.	Listed.

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

Mexico - Grade

Chemical Name	Category	Carcinogen Status	Exposure Limits
Ammonium hydroxide			18 mg/m <sup>3</sup>
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

Chemical Name	NPRI
Isopropanol	X

**16. OTHER INFORMATION****Revision Date**

14-Jan-2009

**Revision Summary**

Update section 15

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