



# Material Safety Data Sheet

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

Issued Date 08-Feb-2007

Revision Date 04-Oct-2010

Revision Number: 4

## 1. PRODUCT AND COMPANY IDENTIFICATION

**DECCO**

Decco U.S. Post Harvest, 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 U.S. Post Harvest, Inc.

Contact Information

Customer Service

Phone Number

626-358-1838

Available Hrs

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

**Product Name**

CITRUS LUSTR® 402 EU

**Recommended Use**

Citrus wax coating

**Product Code**

24-402EU

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

May cause eye and skin irritation

**CAUTION**

**Appearance** Translucent, Brown.

**Physical State** Liquid.

**Odor** Not available

Potential Health Effects

- Inhalation
- Skin contact

**Eyes**  
**Skin**  
**Inhalation**

May cause slight irritation.  
May cause mild skin irritation.  
May cause irritation of respiratory tract.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients Name**

Chemical Name	CAS-No	Weight %	OSHA PEL
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**Methods for Clean-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** Keep out of reach of children. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. .

**Storage** Keep from freezing, material may coagulate.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL
Ammonia	25 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**

Eye wash bottle with pure water. Use eye protection to avoid eye contact. .

**Skin Protection**

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**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Translucent Brown	<b>Odor</b>	Not available
<b>Physical State</b>	Liquid	<b>pH</b>	< 9.0
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	1.02 g/cc	<b>Solubility</b>	Completely soluble
<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>	No data available	<b>Percent Solids</b>	19.4%
<b>Percent Volatiles</b>	Not available		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Heat, flames and sparks
<b>Incompatible Materials</b>	No materials to be especially mentioned.
<b>Hazardous Decomposition Products</b>	None known.
<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).

### Chronic Toxicity

There are no known carcinogenic chemicals in this product

### Carcinogenicity

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with all applicable federal, state, and local laws and regulations. .  
Follow label for proper disposal instructions. .

**Contaminated Packaging** Refer to product label.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

Ammonia

<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

24-402EU - CITRUS LUSTR® 402 EU

SARA 313  
Y

Chemical Name	CAS-No	Weight %
Ammonia	7664-41-7	<10

SARA 311/312 Hazardous Categorization

Chronic Health Hazard	No
Acute Health Hazard	Yes
Fire Hazard	No
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
Ammonia	100 lbs			Listed.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

CERCLA

Chemical Name	RQ
Ammonia	Listed.

Chemical Name	CERCLA EHS RQs
Ammonia	100 lbs

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
Ammonia	Listed.	Listed. Special hazard.	Listed.	Listed.	Listed.
Shellac		Substance no. 2767 Listed.			

International Regulations

Mexico - Grade

Not available

Chemical Name	Category	Carcinogen Status	Exposure Limits
Ammonia			18 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
Ammonia	X

## 16. OTHER INFORMATION

**Revision Date** 04-Oct-2010

**Revision Summary**  
Update section 9 Update section 1

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return product at once, unopened, and the purchase price will be refunded. It is impossible to eliminate all risks associated with the use of this product. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Decco US Post-Harvest, Inc. harmless from any claims relating to such factors.

To the extent consistent with applicable law, Decco US Post-Harvest Inc. makes no warranties or merchantability or of fitness for a particular purpose nor any other express or implied warranty except as stated on this MSDS.

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Decco US Post-Harvest, Inc., offers this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of Decco US Post-Harvest, Inc.

**End of MSDS**