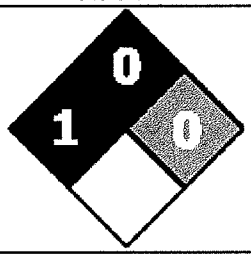
DECCO
WE CREATE SMART PROTECTION

Material Safety Data Sheet

NFPA	PPE
	 

Issued Date 08-Feb-2007 **Revision Date** 08-Feb-2007 **Revision Number:** 1

24-444 - DECCO Pineapple Lustr 444

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	Contact Information	Phone Number	Available Hrs
Decco-Cerexagri	Customer Service	626-358-1838	8:00am - 5:00pm (PT)

Product Name DECCO Pineapple Lustr 444
Recommended Use Coating for post harvest fruit application
Product Code 24-444

2. HAZARDS IDENTIFICATION

Emergency Overview
May cause eye and skin irritation

CAUTION
Appearance off-white. **Physical State** Viscous. Liquid. **Odor** Not available

Potential Health Effects

- Inhalation
- Skin contact

Eyes May cause slight irritation.
Skin Irritating to skin. Repeated or prolonged exposure may cause severe skin irritation..
Inhalation May cause irritation of respiratory tract.
Ingestion Ingestion may cause irritation .

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Oleic acid	112-80-1	<5	N/A

Propylene glycol	57-55-6	<50	N/A
Sodium monostearate, ethoxylated	9005-67-8	10-40	N/A

4. FIRST AID MEASURES

Eye Contact
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.
If symptoms persist, call a physician

Skin Contact
Rinse skin immediately with plenty of water for 15-20 minutes.
If skin irritation persists, call a physician

Inhalation
Move person to fresh air.
If breathing is difficult, give oxygen
If symptoms persist, call a physician

Ingestion
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 for treatment advice.

Notes to Physician
No information available

5. FIRE-FIGHTING MEASURES

Flammable Explosive Properties

Flash Point
Not available
Autoignition Temperature
Not available

Flammability Limits in Air
Not available

Extnguishing Media
Use: Water spray, Carbon dioxide (CO2), Foam, Dry chemical.

Fire/Explosion Hazard
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
None known.

NFPA **Health** 1 **Flammability** 0 **Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Avoid contact with the skin and the eyes. Use personal protective equipment.

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 pertinenet environmental permits..

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. Avoid contact with skin and eyes.

Storage Keep out of the reach of children. Keep in a dry, cool and well-ventilated place. Store out of direct sunlight. Store at temperatures below 90 F..

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 Chemical resistant protective clothing. Chemical resistant 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. 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

Appearance	off-white	**Odor**	Not available
Physical State	Viscous Liquid	**pH**	(2% solution)8.5
Boiling Point/Range	Not available	**Melting Point/Range**	Not available
Specific Gravity	1.002 g/cc	**Solubility**	Completely soluble
Evaporation Rate	Not available	**Vapor Pressure**	Not available
Vapor Density	Not available	**VOC Content**	Not available
Viscosity	Not available	**Molecular Weight**	No data available
Bulk Density	8.36 lbs/gal	**Percent Solids**	37%
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions

Conditions to Avoid Keep away from children. Extreme temperatures.

Incompatible Materials No materials to be especially mentioned.

Hazardous Decomposition Products None known.

Possibility of Hazardous Polymerization 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 inhalationexposure 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.

Sorbitan monostearate, ethoxylated
Long-term adminstration in the feed of hamsters, mice and dogs produced no adverse effects, while rats showed dirrhea and fatty changes in the liver. Repeated dermal application to mice showed no systemic effects, but did have promoting activity for the production of skin tumors following carcinogenic application. No birth defects were noted in the offspring of rats and mice exposed orally during pregnancy, but slightly reduced pup weight was noted. No effects were seen on the ability of male or female rats to reproduce when exposed orally for three successive generations, but a decreased pup survival was noted at the highest dose level. Genetic changes were observed in a test using bacteria but, generally, no genetic changes were observed in tests using animal cells.
Oleic acid
Severe skin irritation was reported in humans, rabbits, guinea pigs and mice following repeated and prolonged skin contact with commercial grade and solutions of this material. No adverse effects were reported in chicks following repeated exposure in their feed. In a study to determine the influence on the fertility of rats the authors concluded that this material did not effect the growth or general health of rats, but impairs reproduction through interference with birth and depression of mammary gland development and milk production. No tumors were produced in rats after long term oral administration or in mice after a skin painting study. No genetic changes were observed in tests using bacteria, but were observed in tests using animal cells and yeast.

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)..
Oleic acid -
This material is practically non-toxic to fathead minnow (96 hr LC50 205 mg/l) .

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with all applicable federal, state, and local laws and regulations. .

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Oleic acid

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

Propylene glycol

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

Sodium monostearate, ethoxylated

DSL	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 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	No
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
Propylene glycol	57-55-6	<50		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

16. OTHER INFORMATION

Revision Date 08-Feb-2007

Revision Summary
Add to new MSDS system

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End of MSDS