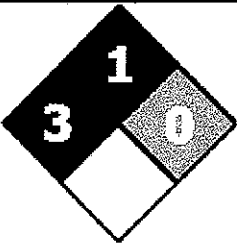







Material Safety Data Sheet

NFPA	PPE		
			

Issued Date 08-Feb-2007

Revision Date 14-Jan-2009

Revision Number: 4

24-246 - DECCO Apl Kleen 246

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 Apl Kleen 246

Recommended Use

General purpose acidic cleaner for use on apples and pears

Product Code

24-246

2. HAZARDS IDENTIFICATION

Emergency Overview

The product causes burns of eyes, skin and mucous membranes
May cause blindness
Irritating to respiratory system
Causes respiratory tract burns.
Harmful if swallowed
May cause lung injury

DANGER!**Appearance** Yellow, Amber, Clear.**Physical State** Liquid.**Odor** Not availablePotential Health Effects

- Inhalation
- Skin contact

Eyes

Corrosive to the eyes and may cause severe damage including blindness.
Causes burns.

Skin**Inhalation**

Overexposure to vapors may cause respiratory tract irritation including, shortness of breathe, and with severe or prolonged exposure, chronic bronchitis and delayed pulmonary edema. .

Ingestion

Ingestion causes burns of the upper digestive and respiratory tracts.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Dodecylbenzenesulfonic acid	27176-87-0	5-20	N/A
Propylene Glycol	57-55-6	7	N/A
Phosphoric acid	7664-38-2	10-70	1 mg/m ³

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.
Call a poison control center or doctor for treatment advice.

Skin Contact

Take off contaminated clothing.
Wash off with warm water and soap
Wash off immediately with plenty of water for at least 15 minutes
Call poison control center or doctor for treatment advice.

Inhalation

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.

Ingestion

Call a physician or Poison Control Center immediately
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.
Never give anything by mouth to an unconscious person

Notes to Physician

No information available

5. FIRE-FIGHTING MEASURES**Flammable Explosive Properties****Flash Point**

> 230°F

Method

Tag closed cup

Autoignition Temperature

Not available

Flammability Limits in Air

Not available

Extinguishing Media

Use: Foam Carbon dioxide (CO₂), 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

Heated material can form flammable and explosive vapors with air., Phosphoric pentoxide fumes.

NEPA

Health 3

Flammability 1

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 pertinent environmental permits.. Do not flush into surface water or sanitary sewer system.
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	Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Keep out of reach of children. Wash thoroughly after handling. . Empty containers may contain hazardous residues.
Storage	Keep containers tightly closed in a cool, well-ventilated place. Keep from freezing, material may coagulate.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
Phosphoric acid	1 mg/m ³	1 mg/m ³

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. .
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Personal Protective Equipment

Eye/face Protection

Use eye protection to avoid eye contact. . Goggles. If splashes are likely to occur, wear: Face-shield.

Skin Protection

Chemical resistant gloves. Impervious clothing. Chemical resistant apron.

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

Avoid contact with skin, eyes and clothing. 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

Appearance	Yellow Amber Clear	Odor	Not available
Physical State	Liquid	pH	< 2.0
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.31 g/cc	Solubility	Miscible
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	10.95 lbs/gal	Percent Solids	Not available
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Conditions to Avoid	Protect from water.
Incompatible Materials	Contact with water or alkalies may cause violent heat generation or splattering.. Contact with metals may generate flammable or explosive hydrogen gas. .
Hazardous Decomposition Products	Phosphorus pentoxide.
Possibility of Hazardous Polymerization	Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Phosphoric acid

Workers exposed to fumes, considered to be primarily this material, showed slight irritation up to 5.4 mg/m³, moderate irritation and coughing up to 11.3 mg/m³ and were unable to endure 100 mg/m³. Residents exposed to a mixture of of chemicals including this material following a railroad spill experienced eye irritation, nausea, vomiting, shortness of breath and reduced pulmonary function which was not evident one month later. The corrosive effects of this material are dependent upon the concentration. Concentrations of 75% produce burns to the skin, 5% produce a stinging sensation and 1% or less are only slightly irritating. Accidental exposure to concentrated solutions have been reported to cause permanent eye injuries, but buffered solutions of 1.6% did not cause eye damage. In one study, chronic bronchitis and impaired respiratory performance was reported, but exposure to other agents were also present. In another study, workers in production showed no significant increases in bronchial effects versus non-exposed workers. Long-term inhalation exposure caused bronchitis and adverse effects on the liver, kidney and spleen in rats. Long-term oral administration in the diet of rats did not result in any adverse systemic effects. No adverse reproductive effects or effects on survival and growth of offspring were reported after repeated dietary administration to adults and pups. No genetic changes were observed in tests using bacterial or animal cells.

Based on single exposure animal tests, it is considered to be no more than slightly toxic if swallowed (rat LD50 1,250-1,530 mg/kg) or absorbed through skin (rabbit LD50 2,031-2,740mg/kg) , corrosive to the eyes and skin.

Dodecylbenzene sulfonic acid

Single exposure studies indicate that this material is slightly toxic to rats if swallowed (LD50 890-1.260 mg/kg), moderately to severely irritating to rabbit and guinea pig and slightly irritating to rabbit eyes (1% solution).

Repeated exposure to humans in controlled skin contact studies produced mild to moderate skin irritation and no skin allergy. No skin allergy was observed in guinea pigs following repeated exposure to this material. Following repeated exposure in the feed and drinking water, no adverse effects were observed in rats. No systemic effects were observed in rabbits following repeated skin application of this material. Following repeated inhalation exposure, chronic bronchitis was observed in monkeys. No adverse effects were observed in long-term oral studies with rats or mice. This material did not increase the incidence of tumors in long-term oral studies in mice. No effects were noted on the ability of male or female rats to reproduce when given this material in the diet for 3 generations. This material produced no genetic changes in standard tests using bacterial and yeast cells.

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 inhalation exposure 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.

Chronic Toxicity

There are no known carcinogenic chemicals in this product

Carcinogenicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

Phosphoric acid

Generally, dilute material is slightly toxic to practically non-toxic to aquatic organisms. If spilled in concentrated volumes, acidification may occur and data from studies with bluegill sunfish indicate that a pH of 3 causes lethality in approximately 50% of the adult organisms. This material is slightly toxic to Arabian freshwater fish, *Aphanius dispar* (LC50 3.71 mg/l).

Dodecylbenzenesulfonic acid

This material is moderately toxic to *Daphnia magna* (96 hr EC50 3.94 mg/l), bluegill sunfish (96 hr LC50 1.67 mg/l) fathead minnow (96 hr LC50 2.2 mg/l) rainbow trout (96 hr LC50 4.2 mg/l) white perch (96 hr LC50 5.1 mg/l) striped bass (96 hr LC50 6.9 mg/l) golden orfe (48 hr LC50 2.7 mg/l) oyster (48 hr LC50 7.4 mg/l) and cod (96 hr LC50 1 mg/L) It is slightly toxic to pink shrimp ((96 hr LC50 11 mg/l).

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)..

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

Proper Shipping Name

Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid, dodecylbenzenesulfonic acid)

Hazard Class 8
UN-No 3264
Packing Group PG II
Reportable Quantity (RQ): 5,000 lbs (Phosphoric acid) ; 1,000 lbs (Dodecylbenzene sulfonic acid)

ICAO

UN-No 3264
Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid, Dodecylbenzene sulfonic acid)
Hazard Class 8
Packing Group PG II

IATA

UN-No 3264
Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid, Dodecylbenzenesulfonic acid)
Hazard Class 8
Packing Group PG II
ERG Code 8 L

IMDG/IMO

Proper Shipping Name Corrosive, liquid, acidic, inorganic. n.o.s. (Phosphoric acid, Dodecylbenzenesulfonic acid)
Hazard Class 8
UN-No 3264
Packing Group PG II
EmS No. F-A, S-B

15. REGULATORY INFORMATION**International Inventories**

Dodecylbenzenesulfonic 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

Phosphoric acid

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 and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Chronic Health Hazard Yes
Acute Health Hazard Yes
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

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

	Quantities	Pollutants	Substances
Dodecylbenzenesulfonic acid	1000 lbs		Listed.
Phosphoric acid	5000 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 Depleters	Class 2 Ozone Depleters
Propylene Glycol	57-55-6	7		Listed.		

CERCLA

Chemical Name	RQ
Dodecylbenzenesulfonic acid	Listed.
Phosphoric acid	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
Dodecylbenzenesulfonic acid	Listed.	Substance no. 0822 Listed.	Listed.	Listed.	
Propylene Glycol			Listed.		Listed.
Phosphoric acid	Listed.			Listed.	

International Regulations**Mexico - Grade**

Mexico - Grade

Chemical Name	Category	Carcinogen Status	Exposure Limits
Phosphoric acid			1 mg/m ³

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

14-Jan-2009

Revision Summary

Update section 15

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End of MSDS

