



# Material Safety Data Sheet

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

Issued Date 08-Feb-2007

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Revision Number: 7

13-103 - DECCO Cleaner 103

## 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 Cleaner 103  
**Recommended Use** Not available  
**Product Code** 13-103

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
 May cause blindness  
 Causes digestive tract burns.  
 Harmful if swallowed  
 May cause lung injury

**DANGER!**  
**Appearance** Light yellow.

**Physical State** Liquid.

**Odor** Not available

**Potential Health Effects**

- Inhalation
  - Skin contact
- Acute Effects**

Due to its acidic nature, contact with undiluted material is anticipated to be corrosive to eyes and skin while contact with dilute solutions is less irritating.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients Name**

Chemical Name	CAS-No	Weight %	OSHA PEL
Phosphoric acid	7664-38-2	6.6	1 mg/m <sup>3</sup>



## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product. Empty containers may contain hazardous residues. Keep out of reach of children. Keep away from heat, sparks and open flame. - No smoking. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Storage</b>	Keep tightly closed in a dry and cool 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 <sup>3</sup>	1 mg/m <sup>3</sup>

**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

Goggles. If splashes are likely to occur, wear: Face-shield.

#### Skin Protection

Wear protective gloves/clothing. Chemical resistant gloves. Solvent-resistant apron and boots.

#### 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. 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>	Light yellow	<b>Odor</b>	Not available
<b>Physical State</b>	Liquid	<b>pH</b>	1.069
<b>Boiling Point/Range</b>	>100	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	Not available	<b>Solubility</b>	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>	Not available	<b>Molecular Weight</b>	No data available
<b>Bulk Density</b>	8.92 lb/gal	<b>Percent Solids</b>	Not available
<b>Percent Volatiles</b>	85%		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Burning produces obnoxious and toxic fumes. Keep away from open flames, hot surfaces and sources of ignition. Extreme temperatures.
<b>Incompatible Materials</b>	Contact with water or alkalis may cause violent heat generation or splattering.. Contact with metals can generate flammable and/or explosive hydrogen gas. .
<b>Hazardous Decomposition Products</b>	Thermal decomposition can lead to release of irritating gases

and vapours. 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/m<sup>3</sup>, moderate irritation and coughing up to 11.3 mg/m<sup>3</sup> and were unable to endure 100 mg/m<sup>3</sup>. Residents exposed to a mixture 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.

**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).

Chem Fate Information: When evaluated in an environmental fate assay in river and ocean waters, this material underwent >85% biodegradation in 28 days. A one-week bioconcentration factor (BCF) of 60 was reported in bluegill..

### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	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..
<b>Contaminated Packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal

### 14. TRANSPORT INFORMATION

**DOT**

<b>Proper Shipping Name</b>	Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid, dodecylbenzenesulfonic acid)
<b>Hazard Class</b>	8
<b>UN-No</b>	3264
<b>Packing Group</b>	PG II
<b>Reportable Quantity (RQ):</b>	1,000

**ICAO**

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

**IATA**

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

**IMDG/IMO**

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

### 15. REGULATORY INFORMATION

**International Inventories**

Phosphoric acid	
<b>DSL</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>ENCS</b>	Listed

<b>CHINA</b>	Listed
<b>KECL</b>	Listed
Dodecylbenzenesulfonic acid	
<b>DSL</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>ENCS</b>	Listed
<b>CHINA</b>	Listed
<b>KECL</b>	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**

<b>Chronic Health Hazard</b>	No
<b>Acute Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric acid	5000 lbs			Listed.
Dodecylbenzenesulfonic acid	1000 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
Phosphoric acid	Listed.
Dodecylbenzenesulfonic 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
Phosphoric acid	Listed.			Listed.	
Dodecylbenzenesulfonic acid	Listed.	Substance no. 0822 Listed.	Listed.	Listed.	

**International Regulations**

**Mexico - Grade** Not available

Chemical Name	Category	Carcinogen Status	Exposure Limits
Phosphoric acid			1 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

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

13-Jan-2009

**Revision Summary**

Update section 15

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End of MSDS