



Material Safety Data Sheet

NFPA	PPE		

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24-278 - DECCO Sooty Mold Kleen 278

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 Sooty Mold Kleen 278
Recommended Use Cleaner for removing sooty mold from citrus
Product Code 24-278

2. HAZARDS IDENTIFICATION

Emergency Overview

The product causes burns of eyes, skin and mucous membranes
 May cause blindness
 Harmful if swallowed

WARNING!

Appearance Translucent, Pink.

Physical State Liquid.

Odor Not available

Potential Health Effects

- Inhalation
- Skin contact

Eyes
Skin
Inhalation

Moderately irritating to the eyes.
 Irritating to skin. Prolonged or repeated contact may cause irritation, redness and rash.
 May cause irritation of respiratory tract. High vapor concentrations may result in CNS effects such as headache, dizziness, nausea, drowsiness, and in severe exposures, loss of consciousness.
Ingestion Harmful if swallowed. 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
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Sodium dodecylbenzene sulfonate	25155-30-0	4	N/A
Sodium metasilicate	6834-92-0	1.5	N/A
Odorless mineral spirits	64741-65-7	<5	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. Call a poison control center or doctor for treatment advice.
Skin Contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 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	> 200°F		
Autoignition Temperature	Not available		
Flammability Limits in Air	Not available		
Extinguishing Media	Use: Water spray, 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	No information available.		
NFPA	Health 3	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with the skin and the eyes.
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 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. Keep away from heat, sparks and open flame. - No smoking. Keep out of reach of children. Empty containers may contain hazardous residues.

Storage Keep in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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

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

Chemical resistant gloves. Chemical resistant apron. Wear protective gloves/clothing.

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. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Translucent Pink	Odor	Not available
Physical State	Liquid	pH	12.5
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.033 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	8.64	Percent Solids	Not available
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions

Conditions to Avoid Heat, flames and sparks.

Incompatible Materials Strong acids. Strong bases.

Hazardous Decomposition Products No information available.

Possibility of Hazardous Polymerization Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity**Component Information****Sodium metasilicate**

Single exposure studies indicate that this material is slightly toxic to rats if swallowed (rats LD50 800-1,349 mg/kg) corrosive to mucous membranes of the gastrointestinal tract causing vomiting and bleeding) and corrosive to rabbit eyes and skin (4 hr and 24 hr exposures).

No immunologic sensitization was produced in rabbits with sodium silicate bound to protein. Studies of continuous dietary administration (2400 mg/kg/day) to rats and dogs for 4 weeks resulted in excessive thirst and urination and, in dogs only, degeneration of kidney tubules. This material produced no genetic changes in standard tests using bacterial cells. It is rapidly absorbed after oral administration and excreted in the urine. .

Odorless mineral spirits

Single exposure studies indicate that this material is practically non-toxic if swallowed (rat LD50 > 5,000 mg/kg) no more than slightly toxic if absorbed through skin (rabbit LD50 >2,000 mg/kg) or onhaled (rat 4 hr LC50 5.01 mg/l) slightly irritating to rabbit eyes and moderately irritating to rabbit skin.

No skin allergy was observed in guinea pigs or humans following repeated exposure, although skin irritation was noted. Human volunteers exposed to 100 ppm for 6 hours noted no symptoms associated with exposure. Repeated inhalation studies in rats produced kidney tubule damage in male rats only indicative of hydrocarbon nephropathy, but extensive studies have demonstrated that these effects occur only in male rats and are not relevant to humans. Repeated inhalation exposure in dogs produced no adverse effects. Repeated skin application of these types of materials has produced skin tumors in mice. No birth defects were observed in the offspring of rats following inhalation exposure during pregnancy. No genetic changes were observed in tests using bacteria, animal cells or animals.

Sodium dodecylbenzene sulfonate

Single exposure studies indicate that this material is slightly toxic if swallowed (rat LD50 1,260 mg/kg), moderately toxic if absorbed through skin (rat minimal lethal dose 200-1,260 mg/kg) and severely irritating to rabbit skin and eyes. Allergic skin reactions were observed in guinea pigs. Studies with human volunteers have shown moderate skin irritation, but no evidence of allergic reactions. Repeated administration in the drinking water or diet of rats produced adverse effects on the kidney and intestinal lining and hemiosiderosis in the spleen, liver and kidney, hemiosiderosis in the spleen was also observed in dogs. Long term dietary administration resulted in decreased weight gain and changes in the liver; kidney and intestinal lining. No tumors were observed in rats following long-term inhalation exposure or in mice following long-term application to the skin. Adverse effects were observed in the offspring of mice exposed orally and dermally during application to the skin. Adverse effects were observed in the offspring of mice exposed orally and dermally during pregnancy, but only in amounts that produced effects in the mother. No effects were seen on the ability of male or female rats to reproduce following administration in the diet for 3 generations. No genetic changes were observed in tests using bacteria or animal cells.

Chronic Toxicity

There are no known carcinogenic chemicals in this product

Carcinogenicity**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Sodium dodecylbenzene sulfonate

This material is slightly toxic to fresh water algae (EC50 10-100 mg/l) and moderately toxic to fresh water fish (LC50 7 mg/l).

Anionic surfactants of this type are readily biodegradable.

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	Caustic alkali liquid,n.o.s. (Sodium metasilicate)
Hazard Class	8
UN-No	1719
Packing Group	PG III

ICAO

UN-No	1719
Proper Shipping Name	Caustic alkali liquid, n.o.s. (Sodium metasilicate)
Hazard Class	8
Packing Group	PG III

IATA

UN-No	1719
Proper Shipping Name	Caustic alkali liquid, n.o.s. (Sodium metasilicate)
Hazard Class	8
Packing Group	PG III
ERG Code	8 L

IMDG/IMO

Proper Shipping Name	Caustic alkali liquid, n.o.s. (Sodium metasilicate)
Hazard Class	8
UN-No	1719
Packing Group	PG III
EmS No.	F-A, S-B

15. REGULATORY INFORMATION

International Inventories

Sodium dodecylbenzene sulfonate

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

Sodium metasilicate

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

Odorless mineral spirits

DSL	Listed
EINECS/ELINCS	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	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
Sodium dodecylbenzene sulfonate	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
Sodium dodecylbenzene sulfonate	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
Sodium dodecylbenzene sulfonate	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 14-Jan-2009

Revision Summary

Update section 15

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End of MSDS