



Material Safety Data Sheet

NFPA	PPE	

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24-441 - DECCO Fruit & Vegetable Kleen 441

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 Fruit & Vegetable Kleen 441
Recommended Use Concentrated alkaline foaming cleaner
Product Code 24-441

2. HAZARDS IDENTIFICATION

Emergency Overview
 Corrosive
 Causes eye burns
 May cause blindness
 Harmful if swallowed

DANGER!

Appearance Clear, Light, Amber.

Physical State Liquid.

Odor Not available

Potential Health Effects

- Inhalation
- Skin contact

Eyes
Skin

Causes burns.
 Causes burns. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Inhalation

Harmful by inhalation. Inhalation causes severe respiratory irritation.. Medical conditions which may be aggravated by exposure to this material include lung disease or limited respiratory capacity..

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Sodium dodecylbenzene sulfonate	25155-30-0	1-10	N/A
Sodium metasilicate	6834-92-0	1-10	N/A
Sodium tripolyphosphate	7758-29-4	1-10	N/A

4. FIRST AID MEASURES**Eye Contact**

Hold eye open and rinse slowly and gently with water for 30 minutes. Remove contact lenses, if present, after the first 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
Never give anything by mouth to an unconscious person

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

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

Avoid breathing fumes from fire exposed material. .

NEPA

Health 3

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 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

Keep out of reach of children. Avoid contact with skin and eyes. Wear personal protective equipment. Empty containers may contain hazardous residues.

Storage

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

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**

Avoid contact with eyes. Use eye protection to avoid eye contact. . Goggles.

Skin Protection

Chemical resistant gloves. Chemical resistant protective clothing.

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

Wear suitable gloves and eye/face protection. 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

Appearance	Clear Light Amber	Odor	Not available
Physical State	Liquid	pH	11.7
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.018 g/cc	Solubility	Not available
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	No data available	Percent Solids	9.5%
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Conditions to Avoid

Keep away from children.

Incompatible Materials

Strong acids. Incompatible with oxidizing agents.

Hazardous Decomposition Products

None known.

Possibility of Hazardous Polymerization

Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity**Component Information****Sodium tripolyphosphate**

Single exposure studies indicate that this material is practically non-toxic if swallowed (rat LD50 5,400-6,500 mg/kg) or absorbed through skin (rabbit LD50 >7,490 mg/kg) no more than moderately toxic if inhaled (rat 4 hr LC0 0.39 mg/l) slightly irritating to rabbit eyes (3.3/110) and non-irritating of rabbit skin (0.0/8.0)

Long term administration in the diet of rats produced decreased growth, increased kidney to body weight ratios, and kidney changes. No evidence for carcinogenic effects were observed in this study. No birth defects were noted in the offspring of rabbits exposed orally during pregnancy. No effects were seen on the ability of male and female rats to reproduce when fed for three successive generations. No genetic changes were observed in tests using bacteria, animal cells or animals.

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.

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 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 skin reactions. Repeated administration in the drinking water or diet of rats produced adverse effects on the kidney and intestinal lining and hemosiderosis in the spleen, liver and kidney; hemosiderosis 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 pregnancy, but only at amounts that produced adverse 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.

LAS (linear alkylbenzene sulfonate) has a similar molecular weight and structure to this material and information on LAS is provided below:

LAS is slightly toxic to fresh water algae (EC50 10-100 mg/l). this material was found to be moderately toxic to a fresh water fish (LC50 7 mg/l).

Studies with LAS have shown these anionic surfactants to be readily biodegradable in semi-continuous activated sludge and OEDC screening tests..

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

Sodium tripolyphosphate

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 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.
Sodium tripolyphosphate	5000 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.
Sodium tripolyphosphate	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.	
Sodium tripolyphosphate	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