



Material Safety Data Sheet

NFPA	PPE		

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24-102 - Deccosol 102 Concentrate

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 Deccosol 102 Concentrate
Recommended Use Alkaline cleaner
Product Code 24-102

2. HAZARDS IDENTIFICATION

Emergency Overview
 Harmful if swallowed
 The product causes burns of eyes, skin and mucous membranes
 May cause blindness
 Causes digestive tract burns.

DANGER!

Appearance Light yellow.

Physical State Liquid.

Odor Not available

Potential Health Effects

- Inhalation
- Skin contact

Eyes
Skin
Ingestion

Avoid contact with eyes. Causes burns. Risk of serious damage to eyes.
 Causes burns.
 Harmful if swallowed. Causes burns. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL

Potassium hydroxide	1310-58-3	1.8	N/A
Propylene Glycol	57-55-6	6	N/A
Water	7732-18-5	42	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 Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes
Rinse skin immediately with plenty of water for 15-20 minutes.
Call poison control center or doctor for treatment advice.
Immediate medical attention is required

Inhalation Move person to fresh air.
Call a poison control center or doctor for further treatment advice.
If person is not breathing, call 911 or an ambulance, then give artificial respiration.

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

Notes to Physician Treat symptomatically

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 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 Extreme temperatures convert Endothall product to endothall anhydride which is a strong vesicant causing blistering of eyes, mucous membranes and skin.

NFPA Health 3 Flammability 0 Instability 0

6. ACCIDENTAL RELEASE MEASURES

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

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 out of reach of children. Wash thoroughly after handling. . Empty containers may contain hazardous residues.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place

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**

Goggles. Avoid contact with eyes.

Skin Protection

Wear protective gloves/clothing. Chemical resistant gloves. Wear cold insulating gloves/face shield/eye protection.

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

Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light yellow	Odor	Not available
Physical State	Liquid	pH	13
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.07 g/cc	Solubility	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	No data available	Percent Solids	Not available
Percent Volatiles	50%		

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Conditions to Avoid

Heat, flames and sparks

Incompatible Materials

Acids.

Hazardous Decomposition Products

No information available.

Possibility of Hazardous Polymerization

Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity**Component Information****Potassium hydroxide**

Solutions are highly alkaline and are able to rapidly dissolve and destroy tissue upon contact. There are numerous reports of accidental or suicidal ingestion of this material. Death results from shock, perforation of the esophagus, pneumonitis and infection. There are also reports of accidental splashed to the eyes and skin causing corrosive tissue damage. Repeated overexposure by inhalation is usually self-limited by sneezing, causing coughing and respiratory discomfort; however, lesions of the nasal septum have been reported from workplace exposure. Long-term application to the skin of mice has resulted in increased skin tumor formation.

Single exposure studies indicate that this material is moderately toxic if swallowed (rat LD50 273-388 mg/kg) and corrosive to rabbit eyes and skin.

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****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)..

Potassium hydroxide

This material is highly toxic to Gambusia (LC50 80 mg/l)..

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method 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..

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

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name	Potassium hydroxide solution
Hazard Class	8
UN-No	1814
Packing Group	PG II
Reportable Quantity (RQ):	1,000 lbs

ICAO

UN-No	1814
Proper Shipping Name	Potassium hydroxide solution
Hazard Class	8
Packing Group	PG II

IATA

UN-No	1814
Proper Shipping Name	Potassium hydroxide solution
Hazard Class	8
Packing Group	PG II

IMDG/IMO

Proper Shipping Name	Potassium hydroxide solution
Hazard Class	8
UN-No	1814
Packing Group	PG II

15. REGULATORY INFORMATION

International Inventories

Potassium hydroxide

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

Propylene Glycol

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

Water

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
Potassium hydroxide	1000 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	VOÇ Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Propylene Glycol	57-55-6	6		Listed.		

CERCLA

Chemical Name	RQ
Potassium hydroxide	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
Potassium hydroxide	Listed.	Substance no. 1571 Listed.	Listed.	Listed.	Listed.
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 13-Jan-2009

Revision Summary

Update section 15

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End of MSDS