



Material Safety Data Sheet

NFPA	PPE		

Issued Date 08-Feb-2007

Revision Date 14-Jan-2009

Revision Number: 2

24-AL - Solutec Kleenpac - AL

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

Solutec Kleenpac - AL

Recommended Use

Alkaline cleaner

Product Code

24-AL

2. HAZARDS IDENTIFICATION

Emergency Overview

The product causes burns of eyes, skin and mucous membranes
Harmful by inhalation, in contact with skin and if swallowed

DANGER!**Appearance** Yellow, to, Amber.**Physical State** Liquid.**Odor** Odorless.**Potential Health Effects**

- Inhalation
- Skin contact

Acute Effects**Sodium hydroxide**

This material is a strong alkali that can be destructive to tissue producing severe burns which are not immediately painful or visible. Contact with body tissues may produce deep ulceration, scarring or loss of sight. Concentrations as low as 2-3% can cause injury. Dermatitis and superficial skin damage can result from repeated or prolonged contact with very dilute solutions. High levels of dust or mist may be corrosive to mucous membranes producing eye or lung injury and chemical pneumonia. Lower concentrations may produce irritation of eyes, nose or upper respiratory tract with coughing, sore throat and shortness of breathe. Prolonged exposure may result in ulceration of the nasal passages. If swallowed, this material may cause severe internal injury, characterized by pain in the mouth and stomach, vomiting and breathing difficulties. Medical conditions which may be aggravated by exposure to this material include lung disease or limited respiratory capacity.

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. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

Storage

Store in cool/well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
sulfonic acid	0.2 mg/m ³ Thoracic fraction.	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. .

Personal Protective Equipment**Eye/face Protection**

Avoid contact with eyes. Eye wash bottle with pure water. Goggles. If splashes are likely to occur, wear:. Face-shield.

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

Avoid contact with skin, eyes and clothing. 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	Yellow to Amber	Odor	Odorless
Physical State	Liquid	pH	> 12
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.049 g/cc	Solubility	Soluble
Evaporation Rate	1	Vapor Pressure	Not available
Vapor Density	Not available	VOC Content	Not available
Viscosity	Not available	Molecular Weight	No data available
Bulk Density	8.75 lb/gal	Percent Solids	Not available
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Conditions to Avoid

Keep away from children.

Incompatible Materials

Acids. Reaction with acid can create heat (strong exotherm) .

Hazardous Decomposition Products

Noxious fumes.

Possibility of Hazardous Polymerization

Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Sodium hydroxide

Single exposure studies indicate that this material is slightly toxic if absorbed through the skin (rat LD50 1,350 mg/kg, dry NaOH) and corrosive to rabbit eyes and skin.

Many publications in the scientific literature confirm that this material is corrosive to all tissues. Repeated inhalation resulted in lung damage in rats. No tumors were seen in long-term animal studies. No genetic changes were observed in tests using bacteria.

No significant increases in mortality in relation to duration of exposures were reported in an epidemiologic study of a small group of workers exposed to caustic dust for 30 years or more. Massive ingestion of this material has been implicated as causing esophageal cancer. Squamous cell carcinomas of the esophagus occurred approximately 12-24 years later in individuals who survived accidental childhood ingestion and are likely due to the tissue destruction and possible scarring of the esophagus rather than a direct effect of this material.

Chronic Toxicity

There are no known carcinogenic chemicals in this product

Carcinogenicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

Sodium hydroxide

Data from several species of fish showed a range of tolerance (brook trout>spotfin and Lake Emerald shiners>minnows>mosquitofish>goldfish) that was most likely related to changes in the pH produced by addition of sodium hydroxide to the water. The minimum lethal concentration for minnows, Mayfly larvae and Daphnia was 100 ppm and for Chinomus larvae, 700 ppm.

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	Sodium hydroxide solution
Hazard Class	8
UN-No	1824
Packing Group	PG III
Reportable Quantity (RQ):	1,000 lbs (NaOH)

ICAO

UN-No 1824
Proper Shipping Name Sodium hydroxide solution
Hazard Class 8
Packing Group PG III

IATA

UN-No 1824
Proper Shipping Name Sodium hydroxide solution
Hazard Class 8
Packing Group PG III
ERG Code 8L

IMDG/IMO

Proper Shipping Name Sodium hydroxide solution
Hazard Class 8
UN-No 1824
Packing Group PG III
EmS No. F-A,S-B

15. REGULATORY INFORMATION

International Inventories

Sodium hydroxide
DSL Listed
EINECS/ELINCS Listed
ENCS Listed
CHINA Listed
KECL Listed
 sulfonic 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 Title 40n of the Code of Federal Regulations, Part 372.

Chemical Name	CAS-No	Weight %
sulfonic acid	7664-93-9	7.5

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 hydroxide	1000 lbs			Listed.
sulfonic 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
Sodium hydroxide	Listed.
sulfonic acid	Listed.

Chemical Name	CERCLA EHS RQs
sulfonic acid	1000 lbs

RCRA**Pesticide Information****State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	Category	California Prop. 65
sulfonic acid	7664-93-9		Listed. Listed: March 14, 2003 Carcinogenic.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium hydroxide	Listed.			Listed.	
sulfonic acid	Listed.	Substance no. 1761 Listed.	Listed.	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

Chemical Name	NPRI
sulfonic acid	X

16. OTHER INFORMATION**Revision Date**

14-Jan-2009

Revision Summary

Update section 15

UPI, Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with other materials or in any process. Further, since the conditions and methods of use are beyond the control of UPI, Inc. UPI, Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

End of MSDS