



# Material Safety Data Sheet

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

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Revision Number: 3

13-408 - Deccosol 408

## 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 408  
**Recommended Use** An adjuvant  
**Product Code** 13-408

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
 May cause eye and skin irritation

**CAUTION**

**Appearance** Clear, Colorless.

**Physical State** Liquid.

**Odor** Not available

Potential Health Effects

- Inhalation
- Skin contact

**Acute Effects**

Based on single exposure animal studies, it is considered to be slightly irritating to eyes and skin. Overexposure to mist or vapor may cause slight irritation to the upper respiratory tract and eyes. Repeated or prolonged skin contact may cause mild irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients Name**

Chemical Name	CAS-No	Weight %	OSHA PEL
Alkylene glycol		>98	N/A

#### 4. FIRST AID MEASURES

<b>Eye Contact</b>	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. If symptoms persist, call a physician
<b>Skin Contact</b>	Wash off with warm water and soap If skin irritation persists, call a physician
<b>Inhalation</b>	Move person to fresh air. If breathing is difficult, give oxygen If symptoms persist, call a physician
<b>Ingestion</b>	Call a physician or poison control center for treatment advice. 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
<b>Notes to Physician</b>	No information available

#### 5. FIRE-FIGHTING MEASURES

##### Flammable Explosive Properties

<b>Flash Point</b>	214°F
<b>Method</b>	Tag closed cup
<b>Autoignition Temperature</b>	371°C / 700°F

<b>Flammability Limits in Air</b>
Upper 12.5
Lower 2.6

**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.

<b>NEPA</b>	Health 1	Flammability 1	Instability 0
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#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Remove all sources of ignition. Use personal protective equipment. Avoid contact with the skin and the eyes.
<b>Environmental Precautions</b>	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..
<b>Methods for Clean-up</b>	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

<b>Handling</b>	Avoid contact with skin and eyes. Remove all sources of ignition. Do not eat, drink or smoke when using this product. Keep out of reach of children. Empty containers may contain hazardous residues. Check that all equipment is properly bonded and grounded..
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**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.

## 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**

**Skin Protection**

**Respiratory Protection**

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

Chemical resistant gloves. 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. Wear suitable gloves and eye/face protection. 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>	Clear Colorless	<b>Odor</b>	Not available
<b>Physical State</b>	Liquid	<b>pH</b>	No data available
<b>Boiling Point/Range</b>	180°C	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	1.04 g/cc	<b>Solubility</b>	Completely soluble
<b>Evaporation Rate</b>	Not available	<b>Vapor Pressure</b>	<0.1 mmHg @ 25 C
<b>Vapor Density</b>	2.6	<b>VOC Content</b>	Not available
<b>Viscosity</b>	Not available	<b>Molecular Weight</b>	No data available
<b>Bulk Density</b>	No data available	<b>Percent Solids</b>	Not available
<b>Percent Volatiles</b>	Not available		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Heat, flames and sparks. Keep away from children.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).
<b>Possibility of Hazardous Polymerization</b>	Hazardous polymerisation does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

### Component Information

Alkylene glycol:

Single exposure studies indicate that this material is practically non-toxic if swallowed (rat LD<sub>50</sub> 21,000 mg/kg) or absorbed through skin (rabbit LD<sub>50</sub> 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**

Alkylene 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)..

### **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** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

### **15. REGULATORY INFORMATION**

#### **International Inventories**

Alkylene glycol

<b>DSL</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>ENCS</b>	Listed
<b>CHINA</b>	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****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	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Alkylene glycol		>98		Listed.		

**CERCLA****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
Alkylene 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

<b>16. OTHER INFORMATION</b>
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Revision Date 18-Dec-2008

**Revision Summary**

Add to new MSDS system

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End of MSDS