



Material Safety Data Sheet

NFPA	PPE		

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Revision Number: 4

24-289 - Deccozil EC-289

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 Deccozil EC-289
EPA Reg # 2792-51
Recommended Use fungicide
Product Code 24-289

2. HAZARDS IDENTIFICATION

Emergency Overview
 May cause skin irritation and/or dermatitis

Appearance Clear, Yellow.

Physical State Liquid.

Odor Not available

Potential Health Effects

Eyes	Direct contact of liquid with the eyes may cause burns or severe irritation with pain, redness, swelling and injury to the cornea..
Skin	May cause skin irritation.
Inhalation	Harmful by inhalation. May cause irritation of respiratory tract.
Ingestion	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Imazalil	35554-44-0	22.2	N/A

Propylene Glycol	57-55-6	1-50	N/A
Ethoxylated castor oil	61791-12-6	1-50	N/A
Octylphenoxy polyethoxyethanol	9036-19-5	25	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 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	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	Can form explosive mixtures with combustible, organic or other easily oxidizable materials. .			
NFPA	<table style="width: 100%; border: none;"> <tr> <td style="width: 25%; text-align: center;">Health 1</td> <td style="width: 25%; text-align: center;">Flammability 0</td> <td style="width: 25%; text-align: center;">Instability 0</td> </tr> </table>	Health 1	Flammability 0	Instability 0
Health 1	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 Avoid contact with skin and eyes. Wear personal protective equipment. Keep out of reach of children. Empty containers may contain hazardous residues. Keep away from heat, sparks and open flame. - No smoking.

Storage Keep from freezing, material may coagulate.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Engineering Controls Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face Protection

Skin Protection

Respiratory Protection

Avoid contact with eyes. Use eye protection to avoid eye contact. Goggles.
Chemical resistant gloves. Chemical resistant protective 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. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Yellow	Odor	Not available
Physical State	Liquid	pH	No data available
Boiling Point/Range	370°F	Melting Point/Range	Not available
Specific Gravity	1.05 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	No data available	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. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO ₂). Nitrogen oxides (NO _x). Noxious fumes.
Possibility of Hazardous Polymerization	Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information 289 -
Oral LD50 = >1500 mg/kg rat

Dermal LD50 = >2000 mg/kg rabbit
Inhalation LC50 = >2.11 mg/l rat
Non-irritating to skin.
Mild eye irritant.
Not a skin sensitizer.

Chronic Toxicity

There are no known carcinogenic chemicals in this product

Carcinogenicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

Octylphenoxy polyethoxyethanol
 This material is highly toxic to *Seenastrum capricornutum* (96 hr LC50 0.21 mg/l); moderately toxic to trout (LC50 7.2 mg/l) and fathead minnow (96 hr LC50 8.9 mg/l) and slightly toxic to sheepshead minnow(96 hr LC50 32 mg/l) *Daphnia magna* (48 hr EC50 21 mg/l) and practically non-toxic to *Mysidopsis bahia* (96 hr LC50 320 mg/l) .
 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)..

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. .

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

Imazalil	
EINECS/ELINCS	Listed
Propylene Glycol	
DSL	Listed
EINECS/ELINCS	Listed
ENCS	Listed
CHINA	Listed
KECL	Listed
Ethoxylated castor oil	
DSL	Listed
ENCS	Listed
CHINA	Listed
KECL	Listed

Octylphenoxy polyethoxyethanol

DSL 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

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
Propylene Glycol	57-55-6	1-50		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
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

Chemical Name	NPRI
Octylphenoxy polyethoxyethanol	X

16. OTHER INFORMATION

Revision Date 04-Aug-2008

Revision Summary

Update section 11

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End of MSDS