



# Material Safety Data Sheet

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

Issued Date 19-Jul-2007

Revision Date 14-Jan-2009

Revision Number: 4

24-283 - No Scald DPA EC-283

## 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)

<b>Product Name</b>	No Scald DPA EC-283
<b>EPA Reg #</b>	2792-45
<b>Recommended Use</b>	Scald inhibitor for pome fruit
<b>Product Code</b>	24-283

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
 May be harmful if swallowed  
 Mild eye irritation

**CAUTION**

**Appearance** Clear, Yellow.

**Physical State** Liquid.

**Odor** Not available

**Potential Health Effects**

- Inhalation
  - Skin contact
- Acute Effects**

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. Based on its composition, it is anticipated to be practically non-toxic if swallowed or absorbed through skin, and slightly irritating to eyes and skin. On the basis of available information, exposure to this material is not expected to produce significant adverse human health effects; however, use of appropriate good industrial hygiene and safety precautions to control exposure is recommended when handling or using this material. Prolonged or repeated contact may remove oils from the skin and may dry skin and cause irritation, redness and rash.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients Name**

Chemical Name	CAS-No	Weight %	OSHA PEL
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Nonylphenoxy poly (ethyleneoxy) ethanol	9016-45-9	18	N/A
Diphenyl amine	122-39-4	31	10 mg/m <sup>3</sup>

#### 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 Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation persists, call a physician
<b>Inhalation</b>	Move person to fresh air. If symptoms persist, call a physician
<b>Ingestion</b>	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
<b>Notes to Physician</b>	No information available

#### 5. FIRE-FIGHTING MEASURES

##### Flammable Explosive Properties

<b>Flash Point</b>	153°C
<b>Method</b>	Seta closed cup
<b>Autoignition Temperature</b>	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** No information available.

**NFPA** Health 1 Flammability 1 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

<b>Handling</b>	Keep out of reach of children. Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. - No smoking.
<b>Storage</b>	Keep tightly closed in a dry and cool place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
Diphenyl amine	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

**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

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

Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear Yellow	<b>Odor</b>	Not available
<b>Physical State</b>	Liquid	<b>pH</b>	(1% solution)7.2
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	1.03 g/cc	<b>Solubility</b>	Miscible
<b>Evaporation Rate</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available	<b>VOC Content</b>	Not available
<b>Viscosity</b>	1.75 cps	<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>	No information available.
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products</b>	No information available.
<b>Possibility of Hazardous Polymerization</b>	Hazardous polymerisation does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information****No Scald DPA EC-283**

Single exposure studies indicate:

Oral - Practically non-toxic to rats (LD50 &gt; 5,000 mg/kg)

Dermal - No more than slightly toxic to rabbits (LD50 &gt;2,000 mg/kg)

Inhalation - No more than moderately toxic to rats (LC50 &gt;1.46 mg/l; aerosol)

Eye irritation - Slightly irritating to rabbits

Skin irritation- Practically non-irritating to rabbits

No skin allergy was observed in guinea pigs following repeated exposure.

**Chronic Toxicity**

There are no known carcinogenic chemicals in this product

**Carcinogenicity****12. ECOLOGICAL INFORMATION****Ecotoxicity**

Diphenylamine:

This material is toxic to fathead minnow (96 hr LC50 3.79 mg/l) medaka (48 hr LC50 2.2 mg/l) and Daphnia magna (24 hr EC50 2.3 mg/l). It is highly toxic to algae (72 hr EC50 0.048 mg/l). The 21 day NOEC for Daphnia magna is 0.16 mg/l.

Chem Fate:

This material is not readily biodegradable(0% after 14 days) Bioconcentration factor (BCF) of &lt;0.1 (fathead minnow) and 51-253 (carp) have been reported. The log Pow is 3.5..

Nonylphenoxy poly(ethyleneoxy) ethanol

This material is moderately toxic to goldfish, bluegill sunfish and killfish (LC50 1-10 mg/l) and trout (96 hr LC50 1.05 mg/l). It is slightly toxic to Daphnia magna (LC50 12.5 ppm) and is highly toxic to algae (EC50 0.09-0.6 mg/l). The 7 day EC50 for ceriodaphnia is 0.46 mg/l (MATC 0.55 mg/l)

This material is biodegradable. Non-ionic type surfactants such as this material when fed at 100 mg/l to activated sludge treatments resulted in foaming, incomplete degradation and toxicity of the effluent to bluegill sunfish. .

**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**

When shipped domestically by highway in non-bulk containers this product can be shipped as not regulated.

When shipped in bulk use IMDG shipping description

**ICAO**

Not regulated

**IATA**

Not regulated

**IMDG/IMO****Proper Shipping Name**

Environmentally hazardous substances, liquid, n.o.s. (Diphenylamine)

**Hazard Class**

9

**UN-No**

3082

**Packing Group**

PG III

**Marine Pollutant**

Yes

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Nonylphenoxy poly(ethyleneoxy) ethanol	
DSL	Listed
ENCS	Listed
CHINA	Listed
KECL	Listed
Diphenyl amine	
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****Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Diphenyl amine	122-39-4	31		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
Diphenyl amine	Listed.			Listed.	

**International Regulations**

Mexico - Grade Mexico - Grade

Chemical Name	Category	Carcinogen Status	Exposure Limits
Diphenyl amine			10 mg/m <sup>3</sup>

**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
Nonylphenoxy poly(ethyleneoxy)ethanol	X
Diphenyl amine	X

**16. OTHER INFORMATION**

Preparation Date 19-Jul-2007

Revision Date 14-Jan-2009

Revision Summary  
Update section 15

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End of MSDS