



# Material Safety Data Sheet

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

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Revision Number: 2

24-284 - DECCO No Scald DPA Aerosol

## 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** DECCO No Scald DPA Aerosol  
**EPA Reg #** 2792-73  
**Recommended Use** Reduction of scald on apples in storage  
**Product Code** 24-284

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Product dust may be irritating to eyes, skin and respiratory system

### CAUTION

**Appearance** Light yellow.

**Physical State** Solid.

**Odor** Pungent.

### Potential Health Effects

#### 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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL

Diphenyl amine

122-39-4

99.9

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. Call a poison control center or doctor for treatment advice.
<b>Skin Contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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
<b>Notes to Physician</b>	No information available

#### 5. FIRE-FIGHTING MEASURES

##### Flammable Explosive Properties

<b>Flash Point</b>	153°C / 307.4°F
<b>Autoignition Temperature</b>	Not available
<b>Flammability Limits in Air</b>	Not available
<b>Extinguishing Media</b>	Carbon dioxide (CO <sub>2</sub> ), Water spray Foam Dry chemical.
<b>Fire/Explosion Hazard</b>	As this material is a granular/solid which may produce dust that may form flammable dust clouds in the air
<b>Hazardous Combustion Products</b>	Dust clouds generated during handling and/or storage can form explosive mixtures with air. Dust explosion characteristics vary with the particle size, particle shape, moisture content, contaminants, and other variables.  As with any dry material, pouring this material or allowing it to free fall or be conveyed through chutes or pipes can accumulate and generate electrostatic sparks, potentially causing ignition of the material itself, or any flammable materials which may come into contact with the material or its container. Check that all equipment is properly grounded and installed to satisfy electrical classification requirements. .

NFPA

Health 1

Flammability 1

Instability 1

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid dust formation. Remove all sources of ignition. Avoid contact with the skin and the eyes. Use personal protective equipment.
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**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.. Keep material out of lakes, streams, ponds and sewer drains. Dike to confine spill and absorb with an absorbant such as clay, sand or soil. .

**Methods for Clean-up** Avoid dust formation. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

**Handling** Keep out of reach of children. Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. . Keep in a well-ventilated place.

**Storage** Keep in a dry, cool and well-ventilated place. Store in original container. . Store out of direct sunlight.

## 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

Where there is potential for eye contact have eye flushing equipment available.. Use eye protection to avoid eye contact. .

#### Skin Protection

Wear protective gloves/clothing.

#### Respiratory Protection

Avoid breathing dust. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. .

### General Hygiene Considerations

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

<b>Appearance</b>	Light yellow	<b>Odor</b>	Pungent
<b>Physical State</b>	Solid	<b>pH</b>	No data available
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	Not available	<b>Solubility</b>	Not available
<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>	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

**Stability** Stable under recommended storage conditions

**Conditions to Avoid** Avoid creating dusty conditions.

**Incompatible Materials** oxidizers. reducing agents.

**Hazardous Decomposition Products** Thermal decomposition can lead to release of irritating gases

and vapours.

**Possibility of Hazardous Polymerization**

None under normal processing

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity****Component Information****Diphenyl amine**

Single exposure studies indicate that this material is slightly toxic if swallowed (rat LD50 2,960 -3,330 mg/kg), no more than slightly toxic if absorbed through skin (rabbit LD50 >2,000 mg/kg) practically non-irritating to rabbit skin and slightly irritating to rabbit eyes.

Repeated exposure of humans in controlled skin contact studies produced no skin irritation or skin allergy. Following repeated exposure by gavage, cystic kidney changes, anemia, and increased liver, kidney and spleen weights were observed in mice or rats. Kidney damage, reversible anemia, and mild hemosiderosis in the spleen, liver and bone marrow were observed in long term studies in rats or dogs at high dose levels; long term feeding studies in mice at lower levels showed no adverse effects. The material did not increase the incidence of tumors in long-term oral studies in rats and dogs. Oral administration during pregnancy cause kidney effects in the offspring of rats but not rabbits. No effects were noted on the ability of male or female rats to reproduce following administration in the feed for 2-generations. Generally, 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****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 <0.1 (fathead minnow) and 51-253 (carp) have been reported. The log Pow is 3.5..

**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

Diphenyl amine  
**DSL** Listed  
**EINECS/ELINCS** Listed  
**ENCS** Listed  
**CHINA** Listed  
**KECL** Listed

### USA

### Federal Regulations

**SARA 313**  
 Y

### **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
Diphenyl amine	122-39-4	99.9		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
Diphenyl amine	X

**16. OTHER INFORMATION**

Revision Date 14-Jan-2009

**Revision Summary**

Update section 15

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End of MSDS