



Material Safety Data Sheet

NFPA	PPE	

Issued Date 08-Feb-2007

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Revision Number: 4

24-400SC - DECCO PENBOTEC (TM) 400 SC

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 PENBOTEC (TM) 400 SC
EPA Reg #	074263-DEU-001
Recommended Use	Suspension concentrate for post-harvest treatment of pome and citrus fruit
Product Code	24-400SC

2. HAZARDS IDENTIFICATION

Emergency Overview
 May be harmful if swallowed
 May cause eye and skin irritation

CAUTION

Appearance White, Beige.

Physical State Suspension concetrate.

Odor Slight.

Potential Health Effects

- Skin contact	
Eyes	May cause slight irritation.
Skin	May cause skin irritation.
Inhalation	Slightly toxic if inhaled.
Ingestion	May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL

4,6-dimethyl-N-phenyl-2-pyrimidinamine	53112-28-0	37.14	N/A
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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. If symptoms persist, call a physician
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 symptoms persist, call a physician If person is not breathing, call 911 or an ambulance, then give artificial respiration. Call a physician immediately
Ingestion	Never give anything by mouth to an unconscious person Do not induce vomiting unless told to do so by a poison control center or doctor Have person sip a glass of water if able to swallow Call a physician or poison control center for treatment advice.
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: Carbon dioxide (CO₂), Dry powder. Do not use Water in the form of a jet

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 0 Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Avoid contact with the skin and the eyes. Remove all sources of ignition.
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	Remove all ignition sources. 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. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Keep out of reach of children.

Storage Keep tightly closed in a dry and cool place. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. .

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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. If splashes are likely to occur, wear:. Goggles.
 Wear protective gloves/clothing. Chemical resistant gloves.
 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. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Beige	Odor	Slight
Physical State	Suspension concentrate	pH	4.06
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.1618 g/ml @ 20 C	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. Heat, flames and sparks.

Incompatible Materials Strong oxidizing agents. Strong acids. Acid halogenides.

Hazardous Decomposition Products No information available.

Possibility of Hazardous Polymerization Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

PENBOTEC 400 SC

Single exposure studies indicate that this material is no more than slightly toxic when swallowed (rat LD50 >2,000 mg/kg) absorbed through the skin (rat LD50 >2,000 mg/kg) and inhaled (rat LC50 4hr >0.98 mg/l) and non-irritating to rabbit eyes and skin.

Mild skin allergy was observed in guinea pigs following repeated exposure. Liver and thyroid effects were observed in rats following repeated long-term exposure. Kidneys, liver, thyroid and urinary bladder effects were observed in mice following repeated oral exposure. Adverse effects were observed in dogs following repeated oral exposure. No significant carcinogenic effects were observed in mice following repeated oral exposure. Adverse effects were observed in the offspring of rats and rabbits exposed orally during pregnancy, but only in amounts which produced significant adverse effects in the mother. No reproductive effects were observed when rats were exposed orally for two successive generations. No genetic changes were observed in standard tests using mammals, bacteria, and fungi.

Chronic Toxicity

There are no known carcinogenic chemicals in this product

Carcinogenicity

12. ECOLOGICAL INFORMATION

Ecotoxicity**Penbotec 400 SC**

This material is practically non-toxic to birds (acute oral LD50 >2,000 mg/kg) earthworms (14 day LC50 635 mg/kg/soil) and bees (Acute oral 100 ug/bee) slightly toxic to freshwater fish (96 hr LC50 10.6 mg/l) and moderately toxic to Daphnia (48 hr LC50 2.9 mg/l) and algae (96 hr IC50 1.2 mg/l)

Chem Fate:

This material is not readily biodegradable..

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

Refer to product label.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name	When shipped domestically by highway in non-bulk containers this product can be shipped as not regulated.
Hazard Class	Environmentally hazardous substance, liquid, n.o.s (Pyrimethanil)
UN-No	9
Packing Group	3082
Marine Pollutant:	PG III
	Yes.

ICAO

Not regulated

IATA

Not regulated

IMDG/IMO

Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s. (Pyrimethanil)
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Hazard Class	9
UN-No	3082
Packing Group	PG III
EmS No.	F-A, S-F
Marine Pollutant	Yes

15. REGULATORY INFORMATION

International Inventories

4,6-dimethyl-N-phenyl-2-pyrimidinamine
EINECS/ELINCS 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 does not contain any HAPs.

CERCLA

RCRA

Pesticide Information

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

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

16. OTHER INFORMATION

Revision Date 25-Nov-2008

Revision Summary

Update section 7 Update section 4

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End of MSDS