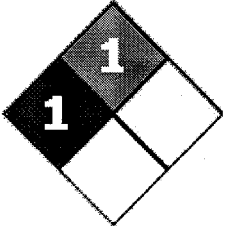




NFPA	PPE	
		

Issued Date 20-Mar-2009

Revision Date 08-Feb-2010

Revision Number: 3

1. PRODUCT AND COMPANY IDENTIFICATION

DECCO
Decco U.S. Post Harvest, 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 U.S. Post Harvest, Inc.

Contact Information
Customer Service

Phone Number
626-358-1838

Available Hrs
8:00am - 5:00pm (PT)

Product Name DECCO 280 Aerosol
EPA Reg # 2792-74
Recommended Use Potato sprout inhibitor
Product Code 24-280

2. HAZARDS IDENTIFICATION

Emergency Overview		
May cause eye and skin irritation May be harmful if swallowed		
CAUTION		
Appearance Colorless, to, Light, Tan.	Physical State Liquid.	Odor Not available

Potential Health Effects

Acute Effects May cause irritation to the eyes, skin or respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Chloropham	101-21-3	>40	N/A
Propylene Glycol	57-55-6	<50	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. If symptoms persist, call a physician
Skin Contact	Wash off with warm water and soap If skin irritation persists, call a physician
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. Call a physician or Poison Control Centre immediately
Ingestion	Have person sip a glass of water if able to swallow Do not induce vomiting without medical advice Never give anything by mouth to an unconscious person Call a physician or poison control center for treatment advice.
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Explosive Properties			
Flash Point	Not available		
Autoignition Temperature	Not available		
Flammability Limits in Air	Not available		
Extnguishing Media	Dry powder, Carbon dioxide (CO2) Foam Water spray.		
Fire/Explosion Hazard	Keep product and empty container away from heat and sources of ignition		
Hazardous Combustion Products	Carbon dioxide (CO2), Nitrous oxides.		
NFPA	Health 1	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition. Use personal protective equipment. Avoid contact with the skin and the eyes. Ensure adequate ventilation.
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 Keep out of reach of children. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Use spark resistant tools. Keep in a well-ventilated place. Wash thoroughly after handling. . Remove and wash contaminated clothing before re-use.

Storage Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Store in original container. .

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 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 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 and face before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless to Light Tan	Odor	Not available
Physical State	Liquid	pH	No data available
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.1420 g/mL	Solubility	Not available
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	9.539 lb/gal	Percent Solids	Not available
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions

Conditions to Avoid	Heat, flames and sparks
Incompatible Materials	Strong acids. Strong bases.
Hazardous Decomposition Products	Carbon dioxide (CO ₂). Nitrogen oxides (NO _x).
Possibility of Hazardous Polymerization	None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Chloropham:

Rats given protein deficient diets showed increased susceptibility to acute effects of this material. Repeated oral exposure produced effects on the blood of rats and mice. Long-term feeding studies in rats and dogs produced no adverse effects. No increase in skin or lung tumors was observed in mice fed this material and challenged with promoting agents on the skin. Birth defects were observed in the offspring of mice following oral exposure during pregnancy. No genetic changes were observed in tests using bacteria or animals, but changes were observed in animal cells.

Single exposure studies indicate that this material is slightly toxic if swallowed (rat LD50 3,950->5,000 mg/kg) practically non-toxic if absorbed through skin (rabbit LD50 >20,000 mg/kg) or inhaled (rat 4 hr LC50 >5 mg/l) and slightly irritating to rabbit eyes and skin.

Propylene glycol:

Single exposure studies indicate that this material is practically non-toxic if swallowed (rat LD50 21,000 mg/kg) or absorbed through skin (rabbit LD50 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

12. ECOLOGICAL INFORMATION

Chloropham:

This material is moderately to slightly toxic to bluegill sunfish, bass and carp (LC50 8-12 mg/l). It is highly toxic to Daphnia magna (LC50 0.05 mg/l).

Chem Fate:

This material has been reported to undergo microbial degradation in soil and water..

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

Refer to product label.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Chloropham

EINECS/ELINCS	Listed
ENCS	Listed
CHINA	Listed
KECL	Listed

Propylene Glycol

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 and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Chronic Health Hazard	No
Acute Health Hazard	No
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	<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

16. OTHER INFORMATION

16. OTHER INFORMATION

Revision Date

08-Feb-2010

Revision Summary

Update section 1

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End of MSDS