



Material Safety Data Sheet

NFPA	PPE		

Issued Date 23-Oct-2008

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24-270 - DECCO 270 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 270 Aerosol

EPA Reg #

2792-69

Recommended Use

Potato sprout inhibitor

Product Code

24-270

2. HAZARDS IDENTIFICATION

Emergency Overview

FLAMMABLE LIQUID AND VAPOR

May cause blindness

May be fatal if swallowed.

High vapor concentrations or swallowing may result in CNS effects such as headache, dizziness, nausea, drowsiness, and in severe exposures, loss of consciousness and possibly death.

DANGER!**Appearance** Clear, Yellow.**Physical State** Liquid.**Odor** Alcohol odor.Potential Health Effects**Acute Effects**

Inhalation and skin contact are expected to be the primary routes of exposure to this material.

Methanol

Prolonged or repeated contact may remove oils from the skin and may dry skin and cause irritation, redness or rash. Overexposure to vapor may cause eye and upper respiratory tract irritation. Exposure to high vapor concentrations may produce narcosis and central nervous system (CNS) effects such as headache, dizziness, drowsiness, weakness, uncoordination, nausea, vomiting, loss of appetite and, with severe exposures loss of consciousness. In addition swallowing leads to intoxication and possible damage to the kidneys, liver and heart muscle. Temporary or permanent visual disturbances are commonly seen with poisoning in man, though permanent loss of

vision is generally associated with poisoning following ingestion. Initial visual symptoms include blurring or dimness, changes in color perception, pain and tenderness, and dilated un-reactive pupils.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Chloropham	101-21-3	78.6	N/A
Methanol	67-56-1	21.4	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 physician immediately
Skin Contact	Wash off immediately with soap and plenty of water 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 physician or Poison Control Centre immediately
Ingestion	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
Notes to Physician	No information available

5. FIRE-FIGHTING MEASURES

Flammable Explosive Properties

Flash Point	52°F
Method	Tag closed cup
Autoignition Temperature	For Methanol 385°C / 725°F

Flammability Limits in Air Not available

Extinguishing Media Carbon dioxide (CO2) Dry chemical Foam

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 Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, and other flames and ignition sources at locations distant from material handling point.

NFPA Health 4 Flammability 3 Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Take precautionary measures against static discharges.
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	Do not eat, drink or smoke when using this product. Remove all sources of ignition. Avoid contact with skin and eyes. Wear personal protective equipment. Check that all equipment is properly bonded and grounded.. Take precautionary measures against static discharges. Use spark resistant tools. Wash thoroughly after handling. .
Storage	Store out of direct sunlight. Store in cool/well-ventilated place. Do not store at temperatures above 120 F. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. . Ensure that all storage and handling equipment is properly rated, grounded, and installed to satisfy electrical classification requirements. Static electricity may accumulate and create a fire hazard. All storage containers, including containers such as drums , cylinders and IBC's must be bonded and grounded during filling and emptying operations. Store away from oxidizers and reactive materials. Keep container tightly closed. Observe all federal, state, and local regulations and the National Fire Protection Association (NFPA) Codes which pertain to the specific local conditions or storage and use, including, but not limited to, OSHA 29 CFR 1910.106 and NFPA 30, 70, 77 and 497. .

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	Use eye protection to avoid eye contact. . Eye flushing equipment must be available. . Safety glasses with side-shields. or. Full face shield or safety glasses with brow, temple, and side protection is required. DO NOT WEAR GOGGLES..
Skin Protection	Chemical resistant gloves. Chemical resistant protective clothing. Chemical resistant footwear.
Respiratory Protection	A NIOSH/MESA approved full face mask with approved canister for phosphine may be employed for concentrations up to 15 ppm. At concentrations above that level, or when concentration is unknown, NIOSH/MESA approved SCBA or equivalent must be worn. .

General Hygiene Considerations

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Yellow	Odor	Alcohol odor
Physical State	Liquid	pH	No data available
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.07 g/cc	Solubility	Slightly soluble
Evaporation Rate	Not available	Vapor Pressure	Not available
Vapor Density	Not available	VOC Content	21.4%
Viscosity	Not available	Molecular Weight	No data available
Bulk Density	No data available	Percent Solids	78.6%

Percent Volatiles 21

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Conditions to Avoid	Extremes of temperature and direct sunlight. Heat, flames and sparks.
Incompatible Materials	Strong acids. Strong bases.
Hazardous Decomposition Products	Carbon dioxide (CO ₂). Nitrogen oxides (NO _x). Noxious fumes.
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.

Methanol:

Single exposure (acute) studies indicate that this material is practically non-toxic if swallowed (Oral LD₅₀ rat = 6,200-12,900 mg/kg), absorbed through the skin (LD₅₀ rabbit = 20 ml/kg) or inhaled (LC₅₀ rat /4hr = 64,000 ppm) and moderately irritating to rabbit eyes and skin.

Chronic Toxicity

Carcinogenicity

Chloropham:

Rats given protein deficient diets showed increased susceptibility to the 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 animal cells.

Methanol:

Studies with primates confirm effects reported for this material in humans implicate the production of acidosis as a major toxic response to intoxication. No adverse effects were reported in several repeated oral dosing studies with rats. Liver effects were reported in one study of rats following repeated oral exposure. No adverse effects were reported in dogs following long term inhalation. Long term inhalation produced no tumors in rats and mice. Exposure of pregnant rats and mice by inhalation produced birth defects in the offspring at levels which had adverse effects on the mothers. Oral dosing of pregnant rats was reported to produce behavioral changes in offspring, with structural birth defects. Genetic changes were observed in tests using animals and animal cells.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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..

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

Proper Shipping Name	Alcohols, n.o.s. (Methanol)
Hazard Class	3
UN-No	UN1987
Packing Group	PG II
Reportable Quantity (RQ):	5,000 lbs (methanol)

ICAO

UN-No	UN1987
Proper Shipping Name	Alcohols, n.o.s. (Methanol)
Hazard Class	3
Packing Group	PG II

IATA

UN-No	UN1987
Proper Shipping Name	Alcohols, n.o.s. (Methanol)
Hazard Class	3
Packing Group	PG II
ERG Code	3L

Special Provisions

A3

IMDG/IMO

Proper Shipping Name	Alcohols, n.o.s. (Methanol)
Hazard Class	3
UN-No	UN1987
Packing Group	PG II
EmS No.	F-E, S-D

Special Provisions

274, 330, 944

15. REGULATORY INFORMATION

International Inventories

Chloropham

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	Yes
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

Chemical Name	RQ
Methanol	Listed.

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 14-Jan-2009

Revision Summary

Update section 15

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End of MSDS