



cerexagri

DECCO Salt No.19

Material Safety Data Sheet

Cerexagri, Inc.

1 PRODUCT AND COMPANY IDENTIFICATION

DECCO

Cerexagri, Inc.
1713 S. California Ave.
Monrovia, CA 91016-0120

EMERGENCY PHONE NUMBERS:

Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(866) 767-5089 (24Hrs)

Information Telephone Numbers	Phone Number	Available Hrs
	626-358-1838	8:00am - 5:00pm (PT)

Product Name DECCO Salt No.19
Product Synonym(s)

Chemical Family Benzimidazoles
Chemical Formula C10H7N3S
Chemical Name Thiabendazole
EPA Reg Num 2792-50
Product Use Fungicide

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS RegistryNumber	Typical Wt. %	OSHA
Thiabendazole	148-79-8	98.5 %	Y

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

3 HAZARDS IDENTIFICATION

Emergency Overview

odorless off-white powder
CAUTION!

Avoid contact with eyes, skin and clothing.
Avoid breathing dust.

Potential Health Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. Based on single exposure animal tests, it is considered to be slightly toxic if swallowed. If swallowed, this material may cause stomach upset, dizziness, drowsiness, nausea, vomiting and fever.



4 FIRST AID MEASURES

IN CASE OF CONTACT, flush the area with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops and persists. Thoroughly clean shoes before reuse.

IF SWALLOWED, induce vomiting as directed by medical personnel. Get medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air.

IF IN EYES, Flush eyes with plenty of water. Call a physician if irritation persists.

5 FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature	N/A	
Flash Point	N/A	Flash Point Method
Flammable Limits- Upper	N/A	
Lower	N/A	

Extinguishing Media

Use water spray, carbon dioxide, foam or dry chemical.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

Avoid breathing fumes from fire exposed material.

6 ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Contain spill. Sweep or scoop up and remove to suitable container. Flush with water. Prevent spilled product from entering sewers or natural water. 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.

7 HANDLING AND STORAGE

Handling

- Avoid contact with eyes, skin and clothing.
- Avoid breathing dust.
- Store in tightly closed container.
- Use only with adequate ventilation.
- Wash thoroughly after handling.

Storage

This material is not hazardous under normal storage conditions; however, material should be stored in closed containers, in a secure area to prevent container damage and subsequent spillage.



8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Investigate engineering techniques to reduce exposures. Provide ventilation if necessary to minimize exposures. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Eye / Face Protection

Use good industrial practice to avoid eye contact.

Skin Protection

Minimize skin contamination by following good industrial hygiene practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

Respiratory Protection

Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for a 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 or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Airborne Exposure Guidelines for Ingredients

The components of this product have no established Airborne Exposure Guidelines

- Only those components with exposure limits are printed in this section.
- Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.
- ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.
- WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	odorless off-white powder
pH	NA
Specific Gravity	NE
Vapor Pressure	NA
Vapor Density	NA
Melting Point	305 C
Freezing Point	NE
Boiling Point	NA
Solubility In Water	NE

**10 STABILITY AND REACTIVITY****Stability**

This material is chemically stable under normal and anticipated storage and handling conditions.

Hazardous Polymerization

Does not occur.

Incompatibility

There are known materials which are incompatible with this material.

Hazardous Decomposition Products

Combustion with limited oxygen may produce carbon monoxide, nitrogen oxides and other noxious fumes.

11 TOXICOLOGICAL INFORMATION**Toxicological Information**

Thiabendazole

Single exposure (acute) studies indicate that this material is slightly toxic if swallowed (rat LD50 3,100 mg/kg).

Thiabendazole

Human experience from oral use as a medicinal drug for parasites indicates that it may cause stomach upset, dizziness, drowsiness, nausea, vomiting and fever. Following repeated oral exposure, effects such as suppression of weight gain and kidney damage were observed in rats. Marked depression of weight gain and urinary hyperplasia with no notable increase in tumors were observed following long-term oral administration in the drinking water of rats. No adverse effects were observed in long-term oral studies with dogs.

Administration in the drinking water and feed of mice, rats and rabbits during pregnancy caused birth defects and other adverse effects on the offspring at doses that were also maternally toxic. Some developmental effects (mainly decreased fetal weight) were observed at doses that were not maternally toxic. No effects were seen on the ability of male or female rats to reproduce when exposed orally for two successive generations. No genetic changes were observed in tests using bacteria, but were observed in tests using animals.

12 ECOLOGICAL INFORMATION**Ecotoxicological Information**

Thiabendazole

This material is highly toxic to *Daphnia magna* (96-hr EC50 0.45 mg/l) and slightly toxic to herpacticoid (96-hr LC50 24 mg/l).

Chemical Fate Information

No data are available.

13 DISPOSAL CONSIDERATIONS**Waste Disposal**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. This pesticide is toxic to fish. Do not apply directly to water or wetlands. Do not apply directly to water by cleaning of equipment or disposal of wastes.



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14 TRANSPORT INFORMATION

DOT Name Not regulated by US D.O.T.
 DOT Technical Name
 DOT Hazard Class
 UN Number
 DOT Packing Group PG
 RQ

15 REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	Y	Fire	N
Delayed (Chronic) Health	N	Reactive	N
		Sudden Release of Pressure	N

Ingredient Related Regulatory Information:

SARA Reportable Quantities

CERCLA RQ

SARA TPQ

Thiabendazole

NE

SARA Title III, Section 313

This product does contain chemical(s) which are defined as toxic chemicals under and subject to the reporting requirements of, Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. See Section 2

Thiabendazole

16 OTHER INFORMATION

Revision Information

Revision Date 15 OCT 2004 Revision Number 8
 Supersedes Revision Dated 15-OCT-2004

Revision Summary

Cerexagri's parent company, ATOFINA Chemicals, Inc., has changed its name to Arkema Inc.

Key

NE= Not Established NA= Not Applicable (R) = Registered Trademark



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