

**MONSANTO COMPANY**Safety Data Sheet  
Commercial Product**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION****Product Name** Acceleron™ DC-509 Fungicide Seed Treatment for Corn**EPA Registration No.** 264-988-524**Company**

MONSANTO COMPANY, 800 N. Lindbergh Blvd., St. Louis, MO, 63167

Telephone: 800-332-3111, Fax: 314-694-5557

E-mail: TS-SAFETYDATASHEET@DOMINO.MONSANTO.COM

**Emergency numbers**FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE, EXPOSURE, OR ACCIDENT Call CHEMTREC -  
Day or Night: 1-800-424-9300 toll free in the continental U.S., Puerto Rico, Canada, or Virgin Islands.

For calls originating elsewhere: 703-527-3887 (collect calls accepted).

FOR MEDICAL EMERGENCY - Day or Night: +1 (314) 694-4000 (collect calls accepted).

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
Ipconazole Technical	125225-28-7	40.70

**SECTION 3. HAZARDS IDENTIFICATION***NOTE: Please refer to Section 11 for detailed toxicological information.***Emergency Overview** Caution! Harmful if swallowed. Do not get in eyes, on skin, or on clothing.**Physical State** liquid**Appearance** brown**Routes of Exposure** Ingestion, Inhalation, Eye contact, Skin contact**Immediate Effects****Eye** May cause mild irritation to eyes. Avoid contact with eyes.**Skin** May cause slight irritation. Avoid contact with skin and clothing.**Ingestion** Harmful if swallowed. Do not take internally.**Inhalation** Do not breathe vapours or spray mist.**SECTION 4. FIRST AID MEASURES****General** When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

<b>Eye</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
<b>Skin</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small gulps to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
<b>Notes to Physician Treatment</b>	There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

## SECTION 5. FIRE FIGHTING MEASURES

<b>Flash Point</b>	93.4 °C / 200.1 °F
<b>Fire and Explosion Hazards</b>	Under fire conditions, toxic, corrosive fumes are emitted. Keep away from open flames, hot surfaces and sources of ignition.
<b>Suitable Extinguishing Media</b>	foam, carbon dioxide (CO <sub>2</sub> ), dry chemical, water spray
<b>Fire Fighting Instructions</b>	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike area to prevent runoff and contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated.  Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
<b>Methods for Cleaning Up</b>	Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material). Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.
<b>Additional Advice</b>	Use personal protective equipment. Do not allow product to enter streams, sewers or other waterways.

**SECTION 7. HANDLING AND STORAGE**

- Handling Procedures**      Handle and open container in a manner as to prevent spillage.
  
- Storing Procedures**      Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.
  
- Work/Hygienic Procedures**      Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.  
  
    Take off contaminated clothing and shoes immediately. Then wash thoroughly and put on clean clothing.  
  
    Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. As soon as practical, wash thoroughly and change into clean clothing.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- General Protection**      Follow all label instructions. Train employees in safe use of the product.  
  
    Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.
  
- Engineering Controls**      Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.
  
- Eye/Face Protection**      tightly fitting safety goggles
  
- Hand Protection**      Chemical resistant nitrile rubber gloves
  
- Body Protection**      Wear long-sleeved shirt and long pants and shoes plus socks.
  
- Respiratory Protection**      When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or Industry recommendations.
  
- Exposure Limits**

Glycerine	56-81-5	ACGIH	TWA	10 mg/m3
		Form of Exposure	Mist.	
		OSHA Z1	PEL	5 mg/m3
		Form of Exposure	Respirable fraction.	
		OSHA Z1	PEL	15 mg/m3
		Form of Exposure	Total dust.	
		OSHA Z1A	TWA	5 mg/m3
		Form of Exposure	Respirable fraction.	
		OSHA Z1A	TWA	10 mg/m3
		Form of Exposure	Total dust.	
		US CA OEL	TWA PEL	5 mg/m3
		Form of Exposure	Respirable fraction.	
		US CA OEL	TWA PEL	10 mg/m3
		Form of Exposure	Total dust.	

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	brown
<b>Physical State</b>	liquid
<b>pH</b>	7.5 - 9.0 (undiluted)
<b>Specific Gravity</b>	1.11 at 20 °C
<b>Bulk Density</b>	9.0 - 9.5 lb./gal.
<b>Viscosity</b>	300 - 500 mPa.s

**SECTION 10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable
<b>Hazardous Decomposition Products</b>	Thermal decomposition hydrogen chloride (HCl) nitrogen oxides (NOx)

**SECTION 11. TOXICOLOGICAL INFORMATION**

<b>Acute Oral Toxicity</b>	male rat: LD50: 5,284 mg/kg female rat: LD50: 3,666 mg/kg
<b>Acute Dermal Toxicity</b>	rabbit: LD50: > 5,000 mg/kg
<b>Acute Inhalation Toxicity</b>	rat: LC50: > 2.59 mg/l Exposure time: 4 h
<b>Skin Irritation</b>	Slight irritation.
<b>Eye Irritation</b>	Minimally irritating.
<b>Sensitization</b>	Non-sensitizing.
<b>Chronic Toxicity</b>	IPCONAZOLE in a sub-chronic study showed liver weight increase and effects on blood cells at 2000 ppm. Ipconazole is negative in mutagenicity assays. Maternal toxicity was observed in teratogenicity studies with rats and rabbits at levels that showed effects in offspring.

**Assessment Carcinogenicity****ACGIH**

None.

**NTP**

None.

**IARC**

None.

**OSHA**

None.

**SECTION 12. ECOLOGICAL INFORMATION****Environmental  
Precautions**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product only as specified on the label.

**SECTION 13. DISPOSAL CONSIDERATIONS****General Disposal  
Guidance**

Open dumping is prohibited. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal**

Do not re-use empty containers. Triple rinse containers. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke. Refer to the product label for other disposal instructions.

**SECTION 14. TRANSPORT INFORMATION****TRANSPORTATION CLASSIFICATION:**

Not regulated for shipment by any mode of transportation

**FREIGHT CLASSIFICATION:**

Insecticides or Fungicides, N.O.I.; other than poison

**SECTION 15. REGULATORY INFORMATION**

**EPA Registration No.** 264-988-524

**US Federal Regulations****TSCA list**

None.

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

None.

**SARA Title III - Section 302 - Notification and Information**

None.

**SARA Title III - Section 313 - Toxic Chemical Release Reporting**

None.

**US States Regulatory Reporting****CA Prop65**

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

**US State Right-To-Know Ingredients**

None.

**Canadian Regulations****Canadian Domestic Substance List**

None.

**Environmental**

**CERCLA**

None.

**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

**SECTION 16. OTHER INFORMATION**

NFPA 704 (National Fire Protection Association):

Health - 1      Flammability - 0      Reactivity - 0      Others - none

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason to Revise: Not applic

Revision Date: Not applicable

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Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.