

DIPEL DUST

MATERIAL SAFETY DATA SHEET

Manufacturer's Name & Address
Southern Agricultural Insecticides, Inc.
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I NOMENCLATURE

Product Name: DIPEL^R DUST EPA Reg. No.829-196
Name: Bacillus thuringiensis Berliner, variety Kurstaki
Synonyms: Thurcide, Dipel
Family: Biological, B.T. Insecticide

II INGREDIENTS

	CAS#	% nominal	OSHA PEL	ACIGH TWA
Bacillus thuringiensis concentrate (32,000 ITU/mg)	68038-31-1	0.7%	Not listed	Not listed
Kaolin	1332-58-7	18%	15mg/m ³ (Total dust) 5mg/m ³ (respirable)	10 mg/m ³
Pyrophyllite (as part of pyrophyllite above)	12269-78-7	84.3%	Re: table Z-3	
Quartz	14808-60-7	42%	0.22 mg/m ³ (respirable)	0.1 mg/m ³
Mica	12001-26-2	22%	0.66 mg/m ³ (total dust)	3 mg/m ³

III PHYSICAL PROPERTIES (NA=Not applicable/available)

Boiling Point: NA Specific Gravity: Approx. 45 lb/ft³
Vapor Pressure: NA Percent Volatile: (by volume) NA
Vapor Density: (air=1) NA Evaporation Rate: NA
Solubility In Water: Active ingredient suspends in water only slightly soluble Reactivity water: NA
Appearance/Odor: Off-white finely ground powder with slight musty odor

IV FIRE AND EXPLOSION DATA

Flash Point: NA Flammable Limits: Not flammable
Extinguishing Media: Appropriate media for underlying fire
Special Fire Fighting Procedures: None determined. Follow procedures for surrounding materials.
Unusual Fire & Explosion Hazards: None determined

V FIRST AID

EYE Exposure: Flush eyes with water holding eye lids apart to ensure washing underside of lids. Remove contact lenses while rinsing. If irritation persists see a physician.
SKIN Exposure: Wash thoroughly exposed skin with copious amount of water. Change to freshly laundered clothing. If irritation occurs see a physician.
For INHALATION: Remove to fresh air. If symptoms persist see a physician immediately.
IF Swallowed: Rinse mouth with water and expectorate and get medical attention. Note to Physician: Provide symptomatic/supportive care. No known antidote. Note toxicity data before treatment.

VI HEALTH HAZARD DATA

Signs and symptoms: N/D Direct contact with eyes or skin may cause mild irritation. Inhalation may result in respiratory tract irritation and chemical pneumonitis. Repeated and excessive exposure can cause silicosis.
Toxicity information for active ingredient: Acute oral (rat); LD50 > 5000 mg/kg. EPA category IV
Dermal LD 50 rabbits > 2500 mg/kg EPA category III
Inhalation LC50 5.02 mg/L EPA category IV
Dermal irritation: Slight skin reactions up to 24 hours after treatment. EPA category IV
Ocular irritation: Mild irritation. Reversible in 7 days. EPA category III
WARNING: This product contains the following substance that is considered a probable or suspected human carcinogen, Crystalline silica as quartz OSHA no IARC yes NTP yes
Crystalline silica as quartz, is a part of the naturally occurring mineral diluents. Respirable crystalline silica as quartz upon repeated or prolonged exposure can cause silicosis.
Medical condition aggravated by exposure: N/D. Pre-existing skin, eye, gastrointestinal and respiratory ailments.

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Stability: Stable Conditions to Avoid: Storage at high temperatures.

Materials to Avoid: Alkalinity deactivates product

Hazardous Decomposition Products: Not determined

Hazardous Polymerization: Not expected

VIII SPILL OR LEAK PROTECTION

Steps To Be Taken If Spilled: Isolate spill area. Wear prescribed protective clothing(see section VIII). Carefully scoop up into drum for reuse or disposal. Carefully sweep up residue, using sweeping compound to minimize dusting.

Waste Disposal: Material that can not be used according to label instructions may disposed of on site or at an approved waste disposal facility in accordance with local, State, and Federal regulations. User should follow label disposal instruction.

IX SPECIAL PROTECTION

Respiratory: Type/Conditions: Avoid breathing dust. Apply dust from the upwind position. For repeated and/or prolonged exposure or where exposure guideline

would be exceeded wear a NIOSH approved dust respirator.

Ventilation: Handle with good ventilation.

Gloves: Impervious to avoid skin contact

Eye Protection: Safety glasses with side shields.

Other Protective Equipment: Clean, freshly laundered body covering work clothes.

X SPECIAL PRECAUTIONS

Handling Precautions: Avoid unnecessary personal contact. Avoid container damage. Avoid creating unnecessary dust.

Storing Precautions: Store in cool dry area. Do not store at temperatures above 90°F. Protect from freezing.

Other Precautions: Do not contaminate water, food or feed by storage or disposal.

XI. SHIPPING AND SELECTED FEDERAL REGULATIONS

DOT Classification :Not regulated. Shipping : Insecticides NOI, other than poison, NMFC 102120

SARA Title III : Delayed Chronic Health Hazard

SARA 313 Chemicals: Not listed

SARA Extremely hazardous substances (EHS)/CERCLA Hazardous substances: Not listed

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.

Re: Dipel MSSDS 07/0296

29 CFR Part 1910 1995 40 CFR part 355 1995

40 CFR part 302.4 1995 49 CFR parts 171-173 1997