Print Date: 05/10/01

Grain Processing Corporation
MATERIAL SAFETY DATA SHEET

SECTION I - Product and Company Identification

Product: PURE-DENT® B852 absorbable dusting powder USP

Chemical Name: Corn starch-modified

Manufacturer: Grain Processing Corporation, P.O. Box 349, 1600 Oregon Street, Muscatine, Iowa 52761

24-Hour Emergency Assistance: 563-264-4304
For Other Information, Call: 563-264-4265

SECTION II - Ingredients

Ingredient(s):	CAS No.	% by Wt.	OSHA PEL TWA	OSHA PEL STEL	ACGIH TLV TWA	ACGIH TLV STEL
Corn starch-modified	--	~86	Nuisance particulate, 15 mg/m^3 of total dust	--	Nuisance particulate, 10 mg/m^3 of total dust	--
Magnesium oxide	1309-48-4	<2	Nuisance particulate, 15 mg/m^3 of total dust	--	Nuisance particulate, 10 mg/m^3 of total dust	--

SECTION III - Physical Data

Boiling Point (°F): Not applicable
Vapor Pressure (mm Hg): Not applicable
Vapor Density (Air=1): Not applicable
Solubility in Water: Insoluble
Moisture (% by Wt.): ~12
Evaporation Rate (n-butyl acetate=1): Not applicable
Appearance and Odor: White granular powder; typical odor.

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): Not applicable
Extinguishing Media: Water
Special Fire Fighting Procedures: Use water spray to prevent dust-air mixtures.
Unusual Fire and Explosion Hazards: Dust-air mixtures may be explosive. The minimum ignition temperature reported for dry corn starch, through 200 mesh, is 380°C (716°F). The minimum explosive concentration of a dust cloud is 0.04 oz/cu ft. Avoid open lights, flames, or welding in area of dry product.

SECTION V - Health Hazard Data

Route(s) of Entry: Inhalation - as dust. Skin - no hazard. Ingestion - no hazard.
Carcinogenicity: NTP - no. IARC - no. OSHA - no.
Threshold Limit Value: See Section II
Effects of Overexposure: Not applicable
Emergency and First Aid Procedures: None required

SECTION VI - Reactivity Data

Stability: Stable

Conditions to Avoid: Any air movement which can create clouds of starch. Open flames, smoking materials, hot coals of any type, welding operations, open lights, etc.

Incompatibility (Materials to Avoid): Strong oxidizing agents

Hazardous Decomposition Products: Oxides of carbon

Hazardous Polymerization: Will not occur

SECTION VII - Spill or Leak Procedures

Steps to Be Taken in Case Material Is Released or Spilled: Sweep up and/or flush clear with water; avoid production of dust. Eliminate all ignition sources.

Waste Disposal Method: Dispose of in approved solid waste disposal area per current regulations.

SECTION VIII - Special Protection Information

Personal Protective Equipment: Protective clothing, gloves and safety eyewear protection are not required, but recommended. Use appropriate NIOSH-approved respirator when needed. Respirator selection must be based on contamination levels found in the work area. Comply with OSHA standards 29 CFR 1910.134 Respiratory Protection and 29 CFR 1910.1000 Air Contaminants Permissible Exposure Limits. Eyewash and safety shower should be available. Follow good housekeeping and manufacturing practices.

Ventilation: Use general or local exhaust ventilation to meet OSHA PELs or ACGIH TLV requirements.

SECTION IX - Special Precautions

Precautions to Be Taken in Handling and Storing: Store in dry area. Avoid handling procedures which produce dust.

Other Precautions: None required

SECTION X - Transportation (DOT Information)

Department of Transportation - Classification: Not applicable

Department of Transportation - Identification Number: Not applicable

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

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