



Animal Feed Dust

Safety Data Sheet

Section 1 — Identification

Product Name: Animal Feed

SDS Number: Animal Feed

Intended Use: Food/Feed

Manufacturer: 1972 510th Street Hanley Falls, MN 56245

Emergency Health & Safety Number: 507-768-3448

Date Prepared: June 1, 2015

Section 2—Hazard(s) Identification

Classification: According to 29 CFR 1910 amended to conform to the United Nations 'Globally Harmonized Systems of Classification and Labeling of Chemicals, (GHS) feed dust is classified as a combustible dust.

Label Elements: Signal Word: Warning

Hazard Statement: May form combustible dust concentrations in air.

Emergency Overview

Warning: May form combustible dust concentrations in air (during processing and handling). Product dust may cause mild, mechanical irritation.

Appearance
Tan /Brown

Physical State
Solid

Odor
Cereal

Hazard Statement:

Class 2B eye irritant

May cause breathing difficulties if inhaled

May create a flash fire or explosion hazard if dust of a certain size is suspended in air at a sufficient concentration in a confined space and exposed to an ignition source.

Precautionary Statement:

May be a mechanical eye irritant. Rinse eyes with water for several minutes.

Avoid breathing dust. Excessive inhalation may affect nose, throat, and lungs.

Grain dust may burn if suspended in air and may create a flash fire/explosion hazard. Avoid ignition sources.

Explosion Hazard:

Feed is generally considered not hazardous. Dust generated through downstream activities that may reduce its particle size (shipping, handling, transfer to bins etc) may create a hazardous condition.

Section 3—Composition / Information on Ingredients

Component	CAS-No.	Concentration
Dust from prepared animal feed	N/A	Up to 100%
Foreign Material (Such as organic plant material)	N/A	0 - 5%
Grain Dust	N/A	0 - 5%

Section 4—First Aid Measures

Inhalation: Move to fresh air.

Ingestion: Health injuries are not known or expected under normal use.

Skin Contact: Wash skin with soap and water.

Eye Contact: Rinse eyes with water. Seek medical attention if in doubt.

Notes to Physician: Treat symptomatically.

Section 5—Firefighting Measures

Flammable Properties: *Fine dust dispersed in air may ignite. Risk of ignition followed by flame propagation or secondary explosions should be prevented by avoiding accumulation of dust on floor and ledges. As with most organic solids, combustion is possible at elevated temperatures or by contact with an ignition source.*

Hazardous Combustion Products: *Carbon Monoxide (CO), Carbon Dioxide (CO₂) Nitrogen Oxides (NO_x)*

Special Fire Fighting Procedures: *Extinguish with water fog, dry chemical powders or foam. Do not use direct hose stream if dust can be dispersed into air. Dust dispersed by water stream in the presence of an ignition source could flash or explode.*

Section 6—Accidental Release Measures

Clean Up: *Use a soft bristle broom and non-sparking tools. Avoid dispersal of dust in the air. If compressed air is used for cleaning all sources of ignition must be removed. Dust should be kept to a minimum on all surfaces to avoid the potential of an explosion.*

Environmental Precautions: *Prevent further leakage of spillage if safe to do so.*

Section 7—Handling and Storage

Handling: *Ensure adequate ventilation. Avoid dispersing dust into air. Fine dust dispersed into air with an ignition source could cause a flash fire or explosion. Remove feed dust from processing equipment and surrounding area before using any hotwork tools such as welders, grinders, torches, or cutting tools. 29 CFR 1910.272(F) requires a hot work permit.*

Refer to NFPA 61, "Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities".

Storage: *Maintain dry storage, avoid dispersion of dust in air, and avoid exposure to potential ignition sources.*

Section 8—Exposure Control / Personal Protection

Respiratory Protection: *Wear an approved NIOSH dust respirator whenever feed dust concentrations in the work area are above ACGIH TLV/OSHA PELs.*

Feed Dust **OSHA PEL:** 15 Mg/m³ (total) **OSHA PEL:** 5 Mg/m³ (respirable) **ACGIH TLV:** 10 Mg/m³*

* TLV applies to nuisance particulates according to OSHA

Ventilation: *Local exhaust if needed.*

Mechanical: *Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with occupational exposure limits. It is the users duty to verify and follow given exposure limits.*

Eye Protection: *Safety glasses or goggles if needed in dusty conditions.*

Work /Hygienic Practices: *Use good personal hygiene practices. Wash before eating or drinking.*

Section 9—Physical and Chemical Properties

Flash Point: *N/A*

Flammable Limits: **LEL:** *Variable* **UEL:** *Unknown*

Auto Ignition Temperature: *Unknown*

Appearance: *Feed- Small mixed granuals, tan to brown in color* *Feed Dust-Light, grayish or brown powder*

Solubility: (IES) *Slightly* **Initial Boiling Point and Boiling Range:** *N/A*

Odor: *Cereal. Out of condition product may have a musty or sour smell.*

Vapor Pressure: *N/A* **Odor Threshold:** *N/A* **Vapor Density:** *N/A* **pH:** *N/A* **Melting/Freezing Point:** *N/A*

Evaporation Rate:*N/A* **Decomosition Temperature:** *N/A* **Partial Coefficient N-Octanol/Water:** *N/A*

Section 10—Stability and Reactivity

Stability: UnStable: Stable: X **Conditions to Avoid:** *Dispersing dust in air above minimum explosive level and exposure to ignition source.*

Incompatibility: *None known*

Reactivity: *None known*

Hazardous Decomposition or Byproducts: *CO₂ H₂S and oxygen deficient atmosphere under improper storage conditions.*

Hazardous Polymerization: May Occur: Will Not Occur: X **Conditions to Avoid:** *N/A*

Section 11—Toxicological Information

Routes of Exposure: Inhalation: X Skin: X Eyes: X Ingestion: *Not likely*

Carcinogenicity: NTP: *No* IARC Monographs: *No* OSHA Regulated: *No*

Acute: *Based on available data, no evidence of acute toxicity.*

Chronic: *Repeated and prolonged inhalation of feed dust ust may cause irritation of respiratory tract.*

Signs and Symptoms of Exposure: *Irritation to the skin, eyes, nose or throat may occur. Some may experience coughing.*

Medical Conditions Generally Aggravated by Exposure: *Allergies and respiratory ailments.*

Section 12—Ecological Information (Non-Mandatory)

Section 13—Disposal Considerations (Non-Mandatory)

Section 14—Transportation Information (Non-Mandatory)

Section 15—Regulatory Information (Non-Mandatory)

Animal feed is regulated by the FDA

Section 16—Other Information

The information is provided in this SDS is correct to the esdt of our knowledge, information and belief at the date of it's publication. This information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification.