

Material Safety Data Sheet

1. December 23, 2009

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Smart Seed Complete Seeding Mixture – Tall Fescue Blend / Sun & Shade Mixture

Manufacturer: Pennington Seed Inc.
P.O. Box 338 Hwy 160
Greenfield, MO 65661
417-637-5978

24-Hour Emergency Telephone Number: CHEMTREC 1-800-424-9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Percent	OSHA PEL	ACGIH TLV
Penkoted® Grass Seed (This seed is inoculated with Mycoadvantage at the rate recommended by the manufacturer)	NA	15%	Not Established	Not Established
Profile Mulch - (Paper and wood fiber)	NA	75.5%	Not Established	Not Established
Nitrogen (N)	57-13-6	2.0%	NA	NA
Soluble Potash (K ₂ O)	12136-45-7	1.0%	NA	NA
Inert Matter	NA	6.5%		

Information regarding contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

IDLH concentrations have not been determined.

3. HAZARDS IDENTIFICATION

Product Description: Crushed pellets of green dyed cellulose fibers from shredded waste paper sources in combination with proprietary binder.

General: No direct hazardous components are known. Routes of entry into the body include skin contact, inhalation, and eye contact.

Emergency Overview: Possible nuisance dust may be present with application of this product.

Potential Health Effects: as follows.

Eye Exposure: Direct contact with the eye may cause irritation and erythema of the eyes.

Skin Exposure: Contact with skin may cause irritation and erythema of the skin.

Ingestion: No reports of human ingestion.

Inhalation: Cellulose dust may cause sneezing, irritation, and dryness of the nose and throat. Dust may aggravate pre-existing respiratory conditions.

Penkoted Seed: Health Hazards

There would be minimal health hazards associated with the use of Penkoted seed as the only hazardous material used in Penkote is Apron (Mefenoxam) The amount of Apron put on the seed is ½ ounce per 100 pounds of seed. Apron is 33.3% Mefenoxam. The amount of Mefenoxam on the seed would be one part in 9072 parts of seed.

Material Safety Data Sheet

4. FIRST AID MEASURES

Eye Exposure: Check for and remove contact lenses. The exposed eyes should be washed immediately with large amounts of water, occasionally lifting upper and lower lids, for at least 30 minutes until no evidence of chemical remains. If irritation persists, seek medical attention.

Skin Exposure: Irrigate affected skin areas with soap or mild detergent and large amounts of water for at least 15 20 minutes until no evidence of chemical remains. If irritation or pain persists, seek medical attention.

Ingestion: Medical attention should be obtained immediately.

Inhalation: Move victim to fresh air. Monitor for respiratory distress. Keep victim warm and at rest. If respiratory difficulties persist, seek medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint: Not Applicable.

Flammable Limits: Autoignition Temperature: 200-206 degree C (400-500 degree F)

Fire Fighting Instructions: Extinguish fire with water spray and CO2. Avoid breathing vapors or dusts and stay upwind.

6. ACCIDENTAL RELEASE MEASURES

Dry Spills: Sweep up spilled product. Avoid contact with skin, eyes, or breathing dusts.

7. HANDLING AND STORAGE

Handling Precautions: Clean up areas where dust settles. Minimize blowdown or other practices that generate high airborne dust concentrations.

Storage: Material should be stored in original container in a cool, dry area. Store away from food or foodstuffs, other chemicals, and out of reach of children and animals.

Material Safety Data Sheet

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

Engineering Controls:

None required for outdoor mixing and application. Use dust collection system for indoor handling operations.

Protective Equipment:

Eye Protection: Wear goggles when emptying bags and during other operations where there is a risk of dust entering the eyes.

Gloves: Leather, plastic or rubber gloves could be worn to minimize skin irritation.

Respirators: When handling methods generate dust at concentrations that exceed occupational exposure limits, wear a NIOSH approved respirator. A fabric respirator or a facepiece respirator with dust cartridges will generally provide adequate protection.

Footwear: The product is slippery when wet. Wear appropriate footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Dyed, green flakes – Shredded waste paper
Molecular Weight:	No data available
Odor:	Earthy odor
Boiling Point:	Not Applicable
Melting Point:	Not Applicable
Freezing Point:	Not Applicable
Density/Specific Gravity:	Not Applicable
Evaporation Rate:	Not Applicable
Viscosity:	Not Applicable
LFL/UFL:	Not Applicable
Vapor Pressure:	Not Applicable
Solubility in Water:	Partially soluble
Volatile by Weight:	Not Applicable
pH:	Not Applicable
Flash Point:	Not Applicable

10. STABILITY AND REACTIVITY

Stability: Product is stable.

Reactivity: Contact with strong acids and oxidizers may generate heat. Product may ignite at temperatures in excess of 200°C (400°F).

Conditions to avoid: Materials to avoid (incompatibility): Strong acids and oxidizers

Hazardous polymerization has not been reported to occur.

11. TOXICOLOGICAL INFORMATION

EFFECTS OF CHRONIC EXPOSURE:

Inhalation: Frequent and repeated exposure to wood dust is associated with an increased risk of developing nasal cancer.

Skin Contact: Although rare, wood dust may cause dermatitis in sensitized people.

Particulates Not Otherwise Regulated (PNOR): OSHA: PEL-TWA 15 mg/m³ (Total Dust); 5 mg/m³ (Respirable fraction)

Irritancy: Cellulose could be a mild irritant.

Sensitization: Some cellulose dusts may cause allergic skin reactions.

12. ECOLOGICAL INFORMATION

No information is available.

13. DISPOSAL CONSIDERATIONS

Product is biodegradable, with no special waste disposal. However, check any Federal, State, and Local regulations that may apply.

Material Safety Data Sheet

14. TRANSPORT INFORMATION

DOT: Not Regulated Hazard Class: None Identification Number: None

15. REGULATORY INFORMATION

TSCA Status:	Not listed.
CERCLA Section 103:	Not listed.
SARA Title III:	Not listed.

Some states may have individual components of product listed; check any specific state regulations that may apply.

16. OTHER INFORMATION

NFPA-ratings (scale 0-4): Health = 1, Fire = 1, Reactivity = 0

OSHA Classification: Cellulose dust is a hazardous substance as defined by the Hazard Communication Standard 29CFR 1910.1200

ABBREVIATIONS

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
DOT	Department of Transportation
URC	International Agency for Research on Cancer
IDLH	Immediately Dangerous to Life or Health
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
TWA	Time-Weighted Average

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