

FIBER MARKETING INTERNATIONAL

EROSION CONTROL PRODUCTS

SAFETY DATA SHEET

PT-Tac™

Effective Date: June 1, 2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PT-Tac
CHEMICAL NAME/SYNONYM: Psyllium Industrial Powder / Plantago Ovata

MANUFACTURER: Apex Resources Inc.
ADDRESS: 5546 Shepherdsville Road
Louisville, KY 40228

EMERGENCY PHONE: Telephone: (502) 964-7521
Emergency Telephone: (800) 426-6002
Website: www.apexr.com

RECOMMENDED USE: Dust Control

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview: PT-Tac is a premium *Plantago ovata* tackifier. It is a natural organic, plant derived material, which is highly effective and economical for holding surface applications of hay or straw mulch in place. It is also used as a tackifier in hydroseeding. PT-Tac aids in tacking wood fiber and straw mulch as well as surface soil. This adhesion helps stabilize revegetation and erosion control materials during germination. PT-Tac breaks down slowly in the microbiological process. PT-Tac, a member of the Psyllium group, has a reliable performance record as a quality tackifier. Its success has set a standard for the industry. It is an excellent tackifier for use on straw as well as hydraulic planting fiber.

OSHA HAZARD CLASSIFICATION: WOOD DUST – Category 3

OSHA HAZARD PICTOGRAM:



SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H320: Dust may cause eye irritation from prolonged exposure.
H335: Dust may cause respiratory irritation from prolonged exposure.

PRECAUTIONARY STATEMENTS:

P202: Do not handle until all safety precautions have been read and understood.
P232: Protect from moisture to avoid congealing.
P261: Avoid breathing dust. Use face mask.
P302+P352+P333: If on the skin, wash with plenty of water. If skin irritation or a rash occurs get medical attention.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to remove – continue rinsing. If irritation continues get medical attention.

SAFETY DATA SHEET

PT-Tac

Effective Date: June 1, 2015

PRECAUTIONARY STATEMENTS: (cont.)

P370+P378: In case of fire use foam or water to extinguish. **Caution: Guar is extremely slippery** as a liquid.
P391+P501: Collect spillage and use or dispose of contents/container in accordance with local regulations.
P402: Store in a dry place or under cover. Avoid getting the product wet.

Other hazards which do not result in classification: None

CAS #..... 9000-30-0
PEL-TWA.....5 mg/cum (respirable)
TLV-TWA.....3 mg/cum (respirable)
TLV-TWA.....10 mg/cum (inhalable dust)

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Common Name.....Psyllium Industrial Powder
CAS Number.....9000-30-30
Botanical Name.....*Plantago Ovata*
Exposure Limits.....5mg/cum (respirable) PEL-TWA
Hazard Compound.....Vegetable Hydrocolloid, 3 mg/cum (respirable) TLV-TWA
OSHA Hazardous Matl......Yes
TLV-TWA.....10 mg/cum (inhalable dust)
OSHA Hazard Categories.....Irritant, sensitizer, combustible dust

SECTION 4: FIRST AID MEASURES

Acute Health Effects:

Eye contact: Contact may cause irritation based on studies with laboratory animals.

Skin Contact: Contact may cause dryness.

Inhalation: Inhalation of dust may cause irritation of the nose, throat and respiratory passages. Symptoms include coughing, sore throat, nasal congestion, sneezing, wheezing, and shortness of breath. May cause life-threatening allergic reaction in susceptible individuals.

Ingestion: DO NOT INGEST. While this product is not toxic by ingestion, swallowing small amounts could cause complete blockage of the mouth, pharynx, trachea, esophagus and or gastrointestinal system which may cause choking, suffocation and/or other life threatening medical conditions. Get medical attention immediately.

Medical Conditions aggravated by exposure: Persons with pre-existing skin and respiratory disorders may be at an increased risk from exposure.

Chronic Health Effects: Overexposure to any nuisance dust may cause lung injury. Symptoms include cough, shortness of breath, and reduced pulmonary function.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point.....Not applicable
Extinguisher Media.....Water, foam, Co2, dry powder
LEL.....Not applicable
Unusual fire & explosive.....Dust may be explosive if mixed with air at a high proportion and combined with an ignition source
UEL.....Not applicable
Special Fire Fighting Procedures.....Normal
Flammable Limits.....Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is leaked or spilled: Vacuum and/or sweep up. Avoid wash down. *Very slippery when wet.*

Respiratory protection: Use dust mask

Other protective equipment: None

Ventilation: Use in well ventilated areas

Eye protection: Use safety goggle

Protective gloves: Use rubber gloves

SAFETY DATA SHEET

PT-Tac

Effective Date: June 1, 2015

SECTION 7: HANDLING AND STORAGE

Precautions to be taken in handling and storing: Keep in cool dry place. Keep the container closed, when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits.....5mg/cum (respirable) PEL-TWA
Hazard Compound.....Vegetable Hydrocolloid, 3 mg/cum (respirable) TLV-TWA
OSHA Hazardous Matl......Yes
TLV-TWA.....10 mg/cum (inhalable dust)
OSHA Hazard Categories.....Irritant, sensitizer, combustible dust
Respiratory protection.....Use dust mask
Other protective equipment.....None
Ventilation.....Use in well ventilated areas
Eye protection.....Use safety goggle
Protective gloves.....Use rubber gloves

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling point (F).....Solid, not applicable
Appearance & odor.....Beige-tan powder with bean- like odor
Vapor pressure (mm Hg).....Solid, not applicable
Vapor density (air=1).....Solid, not applicable
Melting point.....Solid
Specific gravity (H₂O=1).....Solid

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable
Hazardous polymerization: Will not occur
Incompatibility: Avoid strong oxidants
Conditions to avoid: Ignition sources and water
Hazardous decomposition products: None

SECTION 11: TOXICOLOGICAL INFORMATION

Emergency Overview: Concentrations of dust suspended in the air presents a fire and explosion hazard. Inhalation of dust may cause respiratory irritation and possible lung injury with symptoms of shortness of breath and reduced lung function. Plantago is very slippery when wet.

Acute Health Effects:

Eye contact: Contact may cause irritation based on studies with laboratory animals.

Skin Contact: Contact may cause dryness

Inhalation: Inhalation of dust may cause irritation of the nose, throat and respiratory passages. Symptoms include coughing, sore throat, nasal congestion, sneezing, wheezing, and shortness of breath. May cause life-threatening allergic reaction in susceptible individuals.

Ingestion: DO NOT INGEST. While this product is not toxic by ingestion, swallowing small amounts could cause complete blockage of the mouth, pharynx, trachea, esophagus and or gastrointestinal system which may cause choking, suffocation and/or other life threatening medical conditions. Get medical attention immediately.

Chronic Health Effects: Overexposure to any nuisance dust may cause lung injury. Symptoms include cough, shortness of breath, and reduced pulmonary function.

Carcinogenicity: None of the components of this product are listed as carcinogens or suspected carcinogens by OSHA, IARC or NTP

Medical Conditions aggravated by exposure: Persons with pre-existing skin and respiratory disorders may be at an increased risk from exposure.

SECTION 12: ECOLOGICAL INFORMATION

SAFETY DATA SHEET

PT-Tac

Effective Date: June 1, 2015

None

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: See local regulations. DO NOT dump down sewers or drains.

SECTION 14: TRANSPORT INFORMATION

Packaging: PT-Tac is a dry powder. It is convenient to handle and stack. Packaged 50 lbs. (22.68 kg) in strong, durable, poly-lined paper bags.

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precaution for user: Not applicable

Transport in bulk: Not applicable

SECTION 15: REGULATORY INFORMATION

N/A

SECTION 16: OTHER INFORMATION

Information presented herein has been compiled from sources considered dependable and is accurate and reliable to the best of our knowledge and belief, but it is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product in violation of any patents or in violation of any laws or regulations. It is the user's responsibility to determine the suitability of any material for a specific purpose and adopt necessary safety precautions. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.