


Section 1: Identification

Common Name/Trade Name	Pentosan Polysulfate Sodium	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	(1→4)-β-D-Xylan 2,3-bis(hydrogen sulfate) sodium; Xylan hydrogen sulfate sodium salt; Xylan polysulfate sodium; Sodium pentosan polysulfate; Sodium pentosane polysulfate; Xylan sulfate sodium; Xylofuranan sulfate sodium; Sodium xylan polysulfate.	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Harmful if swallowed (Category 4), Irritating to Eyes (Category 2), and respiratory system (Category 3), May cause sensitization by skin contact (Category 1)	
Signal Word	Warning	
Hazard Statement(s)	H302 H315 H319 H335	Harmful if swallowed Causes skin irritation Causes serious eye irritation May cause respiratory irritation
Pictogram(s)		
Precautionary Statement(s)	P261 P305+P351+P338	Avoid breathing dust/fume/gas/mist/vapours/spray. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	(1→4)-β-D-Xylan 2,3-bis(hydrogen sulfate) sodium
Common Name	Pentosan Polysulfate Sodium
CAS Number	140207-93-8
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	No data available
If Inhaled	May cause breathing difficulty. Remove to fresh air and seek medical attention. If breathing is difficult, give oxygen.
In Case of Skin Contact	May cause skin irritation. Wash with soap for 15 minutes if exposure is severe or irritation develops, seek medical attention.
In Case of Eye Contact	May cause irritation and burning sensation. Immediately flush with water for at least 15 minutes.
If Swallowed	May cause pain, vomiting and diarrhea. Wash out mouth with water and drink 2-4 cups of milk or water, seek medical attention.
Most Important Symptoms and Effects	No data available

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Water spray, carbon dioxide, dry chemical powder or appropriate alcohol resistant foam.
Special Hazards Arising From the Substance/Mixture	Likely to emit irritating fumes under fire conditions. Take reasonable care to avoid contamination of watercourses and drains.
Special PPE and/or Precautions for Firefighters	Wear breathing apparatus and use MSHA/NIOSH approved or equivalent protective clothing.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear breathing apparatus and protective clothing. Cordon off area (especially downwind).
Methods and Materials Used for Containment	Mix with sand or similar inert absorbent material.
Cleanup Procedures	Sweep up and place in closed containers for waste disposal. Avoid raising dust. Ventilate area and thoroughly wash spill site after material pickup is complete.

Section 7: Handling and Storage

Precautions for Safe Handling	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.
Conditions for Safe Storage	Store in a well closed container. Store at dry place.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No biological exposure limit noted for ingredient(s). No exposure standard allocated.
Appropriate Engineering Controls	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
PPE - Eye/Face Protection	Wear safety glasses and chemical goggles if splashing is possible.
PPE - Skin Protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
PPE - Body Protection	Wear appropriate protective clothing to minimize contact with skin.
PPE - Respiratory Protection	Wear a NIOSH/MSHA or European standard EN149 approved full-face place airline respirator in the positive pressure mode with emergency escape provisions.

Section 9: Physical and Chemical Properties

Appearance	Physical state: Solid. Description: White to off-white semi-crystalline odorless powder.
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Odorless
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	4-6
Relative Density	No data available
Melting Point/Freezing Point	No data available
Solubility	Soluble in water, soluble in 0.1N NaOH solution and practically insoluble in methanol.
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No reactivity hazards known.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Not known
Conditions to Avoid	Not known
Incompatible Materials	Strong oxidizing agents and Strong bases.
Hazardous Decomposition Products	Toxic fumes of Carbon monoxide, carbon dioxide, and nitrogen oxides.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Draize test, rabbit, eye: 100mg/24h moderate; oral, Mouse: LD50 = 300mg/kg; oral, rabbit; LD50 = 3200 mg/kg; Oral rat; LD50 = 980 mg/kg.
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	May cause skin irritation
Serious Eye Damage/Irritation	May cause serious eye irritation.
Respiratory or Skin Sensitization	May cause irritation to respiratory system and may cause sensitization by skin contact.
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	Not listed by IARC.
Carcinogenicity ACGIH	Not listed by ACGIH
Carcinogenicity NTP	Not listed by NTP.
Carcinogenicity OSHA	Not listed by OSHA
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	No specific ecology data is available. Do not allow to enter drains, sewers and watercourses.
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Disposal should be in according with local, state or Federal legislation. Dispose of as hazardous waste. Incineration is recommended.
Waste Treatment Methods Packaging	No data available
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

European Labeling in accordance with EC directives. Hazard Symbols: XN, Risk Phrases: R-22 (Harmful if swallowed). Safety Phrases: WGK (Water Danger/Protection). Canada: CAS# is listed on the Canada's DSL list. CAS# is not listed on the Canada's Ingredient Disclosure list. CAS# is listed on the TSCA inventory.

Section 16: Other Information

Additional Information	N/A
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