



MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	SPEC-TUSS™ Palatable Expectorant Powder		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.	859 254 1221
	944 Nandino Blvd.	Fax No.:	859 255 5532
	Lexington, KY 40511	e-mail:	inform@neogen.com
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Section II – Hazardous Ingredients / Identity Information			
Hazardous Components (Specific Chemical Identity: Common Names)	OSHA PEL (Permissible Exposure Limits)	ACGIH TLV (Threshold Limit Value)	Toxicity Data LD ₅₀
Guaiifenesin (Glyceryl Guaiacolate) 7% w/w CAS 93-14-1	N/A	N/A	Oral-Rat 1510 mg/kg IVN-Rat 360 mg/kg Oral-Rbt 2553 mg/kg
Ammonium Chloride 75% w/w CAS 12125-02-9	10 mg/m ³	10 mg/m ³	Oral-Rat 1650 mg/kg Eye irritation rabbit- 500 mg/24 hr Severe
Potassium Iodide 2% w/w CAS 7681-11-0	N/A	N/A	IVN-Rat 285 mg/kg

Section III – Physical Characteristics	
Boiling Point: N/A	Specific Gravity (H ₂ O = 1): N/A
Vapor Pressure (mm Hg.): N/A	Melting Point: No data available
Vapor Density (AIR = 1): No data available	Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: Slightly Soluble	
Appearance and Odor: Red-pink solid powder, odorless	

Section IV – Fire and Explosion Hazard Data	
Flash Point (<i>Method Used</i>): N/A	Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or foam.	
Special Fire Fighting Procedures: Wear NIOSH-Approved self-contained breathing apparatus and protective clothing. Avoid breathing dust and contact with skin and eyes.	
Unusual Fire and Explosion Hazards: Like most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard. During a fire, ammonia and hydrogen chloride gases may be emitted as well as iodine vapors.	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: Dusting conditions, extreme heat, open flame.
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): Strong bases, strong acids, oxidizing agents, silver salts, potassium chlorate, ammonium nitrate, bromine trifluoride, and iodine heptafluoride			
Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, ammonia, HCl gas, iodine vapors			
Hazardous Polymerization	May Occur		Conditions to Avoid: None known
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation-Low acute inhalation toxicity	Skin-Skin absorption not likely	Ingestion-Harmful if ingested.
Health Hazards (Acute and Chronic)	This product does not contain any ingredient designated by IARC, NTP, ACGIF or OSHA as probable or suspected human carcinogen.		
Carcinogenicity:	NTP-Not listed (National Toxicology Program)	IARC Monographs-Not listed (International Agency for Research in Cancer)	OSHA Regulated-Yes
Signs and Symptoms of Exposure: Harmful if ingested. Ingestion may cause mild to severe metabolic acidosis with nausea, vomiting, headache and drowsiness. Some people may be hypersensitive to this product. May cause respiratory depression. Fumes are irritating to eyes, respiratory passages. Dust may be mildly irritating to skin.			
Medical Conditions Generally Aggravated by Exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. People who are hypersensitive to this product should not work with it.			
Emergency / First Aid Procedures	Ingestion: If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the product.		
	Inhalation: Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.		
	Eye Contact: Flush with gentle stream of copious amount of water for at least 15 minutes. Hold eyelids open to assure complete flushing. Seek medical attention if irritation develops or persists or if visual changes occur.		
	Skin Contact: In case of skin contact, immediately wash with soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes and clean before re-use.		

Section VII – Precautions for Safe Handling and Use
Accidental Release Measures: Wear protective equipment, sweep up, place in a suitable container and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
Waste Disposal Method: Use a licensed hazardous waste disposal company. Observe all local, state and Federal regulations.
Handling and Storage: Avoid direct or prolonged contact with skin and eyes. Avoid breathing dust. Store in tightly closed containers in a cool, dry well-ventilated area.
Other Precautions: Avoid dusty conditions and open flame.

Section VIII – Control Measures		
Respiratory Protection (Specify Type):		
Ventilation	Local Exhaust: Adequate	Special:
	Mechanical (General): Mechanical	Other:
Protective Gloves: Rubber gloves		Eye Protection: Safety glasses or goggles
Other Protective Clothing or Equipment: Wear suitable protective clothing.		
Work / Hygienic Practices: Normal industrial work and hygienic practices.		
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