

**SECTION 1: Identification of the substance/mixture and of the company**

## 1.1 Product identifier

- Product Name: **Spec-Tuss™**
- Product Part Number(s): **08867**
- Brands: NeogenVet®

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/preparation: For use as an expectorant in horses.
- Uses advised against: Not for human use. Do not use in lactating mares. Use only as directed. See label cautions.

## 1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Neogen Corporation
- Address of Manufacturer: 944 Nandino Blvd.  
Lexington, Kentucky 40511  
USA
- Telephone: 859/254-1221 • 800/525-2022
- Email: [Inform@neogen.com](mailto:Inform@neogen.com)

## 1.4 Emergency telephone number

- Emergency Telephone: Chemtrec: 1 (800) 424-9300  
Outside USA and Canada: +1 (703) 527-3887

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**SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

Classification (29 CFR 1910.1200)

- Eye irritation, Cat. 2A

Classification (WHMIS 2015 HPR)

- Eye irritation, Cat. 2A

Additional information: For full text of Hazard statements: see Section 16

## 2.2 Label elements



GHS07

- Signal Word: Warning
- Symbols: GHS07
- Hazard phrases  
Causes serious eye irritation.
- Precautionary Phrases  
Wash hands thoroughly after handling.  
Wear eye protection.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

## 2.3 Other hazards

- May be mildly irritating to skin.
  - Keep out of reach of children.
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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

#### 3.2 Mixtures

This product is a mixture of the substances listed below with the addition of non-hazardous materials

Chemical	Concentration	CAS No.	H-Statements	Symbols
Ammonium chloride	70-80%	12125-02-9	H302, H319	GHS07
Guaifenesin, USP	5-10%	93-14-1	H302	GHS07
Potassium iodide	1-5%	7681-11-0	H319	GHS07

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

### SECTION 4 First aid measures

#### 4.1 Description of first aid measures

- General  
In case of doubt, or when symptoms persist, seek medical attention.  
If used as directed, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and common sense.
- Contact with skin  
Remove contaminated clothing.  
Wash affected area with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Contaminated clothing should be laundered before reuse.
- Contact with eyes  
If substance has gotten into eyes, immediately wash out with plenty of water for at least 15 minutes.  
Irrigate eyes thoroughly while lifting eyelids.  
Seek medical advice if irritation persists.
- Ingestion  
Rinse mouth with water (do not swallow).  
Never make an unconscious person vomit or drink fluids.  
If medical advice is needed, have product container or label at hand.
- Inhalation  
If inhaled, remove victim to fresh air and keep comfortable for breathing.  
Call a poison center or doctor/physician if you feel unwell.

#### 4.2 Most important symptoms and effects, both acute and delayed

- The most important known symptoms are described in the labeling (see Section 2.2) and/or in Section 11.
- Discontinue use in animals with symptoms of sensitivity or allergy.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

- In case of fire: use water spray, foam, carbon dioxide or dry agent for extinction.

#### 5.2 Special hazards arising from the substance or mixture

- Smoke from fires is toxic. Take precautions to protect personnel from exposure.
- See Section 10.

#### 5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water.
- Wear chemical protection suit and positive-pressure breathing apparatus, if necessary.
- Wear protective clothing as per Section 8.

#### 5.4 Hazardous Combustion Products

- May include carbon oxides.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Shut off all ignition sources.
- Use non-sparking hand tools.
- Avoid raising dust.
- Wear protective clothing as per Section 8.
- Wash thoroughly after dealing with spillage.

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses.
- Avoid releasing to the environment.

### 6.3 Methods and material for containment and cleaning up

- Sweep up and shovel.
- Place in sealable container.
- Seal containers and label them.
- Seek expert advice for removal and disposal of all contaminated materials and wastes.

### 6.4 Reference to other sections

- See Section 7 for storage. For disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Do not breathe dust.
- Use only outdoors or in a well-ventilated area.
- Avoid contact with skin and eyes.
- Do not eat, drink or smoke when using this product.
- Wash hands thoroughly after using this substance.

### 7.2 Conditions for safe storage, including any incompatibilities

- Store in a cool, dry place.
- Store in a well-ventilated place.
- Keep lid tightly closed when not in use.
- Keep out of reach of children.

### 7.3 Specific end use(s)

- For use as an expectorant in horses.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Components with workplace control parameters

Component	CAS No.	Value	Control Parameters	Basis
Ammonium chloride	12125-02-9	TWA	10 mg/m <sup>3</sup>	USA-NIOSH Recommended Exposure Limits
		STEL	20 mg/m <sup>3</sup>	USA-NIOSH Recommended Exposure Limits
		TWA	2 mg/m <sup>3</sup>	USA-ACGIH Threshold Limit Values (TLV)
		STEL	20 mg/m <sup>3</sup> (fume)	USA-ACGIH Threshold Limit Values (TLV)
Potassium iodide	7681-11-0	TWA	0.01 mg/m <sup>3</sup>	USA-ACGIH Threshold Limit Values (TLV)

### 8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear an approved NIOSH N95 dust mask.
- Wear protective gloves according to the concentration and amount of dangerous substance at the specific workplace.
- Wear safety glasses approved to standard for ANSI Z87, according to the concentration and amount of dangerous substance at the specific workplace.
- Wear suitable protective clothing in accordance with good industrial hygiene and safety practices in the event of prolonged exposure to bulk quantities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: White granular powder
- Odor: Sweet odor
- pH: Not applicable
- Melting Point/Range: Not determined
- Boiling Point/Range: Not applicable
- Flashpoint: No information available
- Evaporation Rate: Not applicable
- Flammability: No information available
- Vapor Pressure: Not applicable
- Vapor Density: Not applicable
- Specific Gravity: No information available
- Solubility in water: Partially soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: Product is not self-igniting
- Viscosity: Product is solid
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: Product is not classified as an oxidizer

### 9.2 Other information

- No information available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- No information available

### 10.2 Chemical stability

- Considered stable under normal conditions.

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

- Avoid contact with moisture.

### 10.5 Incompatible materials

- None known

### 10.6 Hazardous Decomposition Products

- None known

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- No experimental test data available for mixture
- ATEmix = 8,061 mg/kg (oral)
- Contact with skin  
Causes skin irritation.
- Contact with eyes  
Causes serious eye irritation
- Ingestion  
Product is not toxic, but may cause irritation of the throat and/or nausea in sensitive individuals.
- Inhalation  
May cause respiratory irritation.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Carcinogenicity  
Not listed in the National Toxicology Program (NTP) 13<sup>th</sup> Report on Carcinogens.  
Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.  
Not listed in OSHA standard 1910.1003 Carcinogens.

**SECTION 11: Toxicological information (continued)**

- Mutagenicity  
No evidence of mutagenic effects.
  - Teratogenicity  
No evidence of teratogenic effects.
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**SECTION 12: Ecological information**

## 12.1 Toxicity

**Ammonium chloride**

## Toxicity to fish

- LC<sub>50</sub> – Cyprinus carpio (Carp) – 209 mg/L-96h
- LC<sub>50</sub> – Oncorhynchus mykiss (Rainbow trout) – 3.98 mg/L-96h
- NOEC – Oncorhynchus mykiss (Rainbow trout) – 57 mg/L-96h

## Toxicity to daphnia and other aquatic invertebrates

- EC<sub>50</sub> – Daphnia magna (water flea) – 0.1 mg/L-216h

**Potassium iodide**

## Toxicity to fish

- LC<sub>50</sub> – Oncorhynchus mykiss (Rainbow trout) – 2190 mg/L-96h

## Toxicity to daphnia and other aquatic invertebrates

- EC<sub>50</sub> – Daphnia magna (water flea) – 2.7 mg/L-24h

## 12.2 Persistence and degradability

- No information available

## 12.3 Bioaccumulation Potential

- No information available

## 12.4 Mobility in soil

- No information available

## 12.5 Other Adverse Effects

- To the best of our knowledge, the properties of this material have not been fully evaluated.
  - On available data, substance is not harmful to the environment.
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**SECTION 13: Disposal considerations**

## Waste treatment methods

- Disposal should be in accordance with local, state, national, or international regulations.
  - Do not discharge into drains or the environment, dispose to an approved waste disposal facility.
  - Do not reuse empty containers.
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**SECTION 14: Transport information**

## 14.1 UN Number

- Not classified as hazardous for transport

## 14.2 UN Proper Shipping Name

- Not applicable

## 14.3 Transport hazard class(es)

- Not applicable

## 14.4 Packing group

- Not applicable

## 14.5 Environmental hazards

- Not Classified

## 14.6 Special precautions for user

- Not Classified

## 14.7 Domestic Surface Transport (US DOT)

- Proper Shipping Name: Not applicable
- DOT UN No.: Not applicable
- DOT Hazard Class: Not applicable
- DOT Packing Group: Not applicable

## SECTION 14: Transport information (continued)

### 14.8 International Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

### 14.9 Ocean/Sea (IMO/IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Packing Group: Not applicable

### 14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- The labeling requirements of Federal Food, Drug, and Cosmetic Act differ from the classification criteria and hazard information required for safety data sheets and for workplace labels under the OSHA Hazard Communication Standard 29 CFR 1910.1200. Following is the hazard information as required on the drug label:

KEEP OUT OF REACH OF CHILDREN

For Animal Use Only

For horses only. Not for human use.

Do not use in lactating mares.

- NDC: 59051-8867-4

### 15.2 United States Regulatory Information

#### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313: Ammonium chloride, CAS No. 12125-02-9

#### SARA 311/312

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### Toxic Substance Control Act (TSCA)

All components of this material are either listed or exempt from listing on the TSCA Inventory.

#### State Right-to-Know

Massachusetts

Ammonium chloride, CAS No. 12125-02-9

New Jersey

Ammonium chloride, CAS No. 12125-02-9

Pennsylvania

Ammonium chloride, CAS No. 12125-02-9

**SECTION 15: Regulatory information (continued)**

## 15.3 Canadian Regulatory Information

- This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR). The labelling may differ subject to the requirements of the Food and Drugs Act (FDA).
  - WHMIS Classification: Exempt
  - Inventory Status
    - Domestic Substances List (DSL)                      Listed
    - Non-Domestic Substances List (NDSL)              Listed
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**SECTION 16: Other information**

Document Number: SDS-0017, Spec-Tuss

Date of Preparation: March 10, 2016

Revision: Rev. 1

Replaces: November 18, 2015

Text not given with phrase codes where they are used elsewhere in this safety data sheet: H302: Harmful if swallowed. H319: Causes serious eye irritation.

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.