

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078098805

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078088228 078920446

# **MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:**

**Manniject 20%**

**AS SOLD BY VETUS ANIMAL HEALTH**

A Service of



# MATERIAL SAFETY DATA SHEET

## Vetus Animal Health

Manufactured For Vetus Animal Health

By Neogen Corporation

Section I – Product Information			
Product Name or Identity:	<b>MANNIJECT (MANNITOL INJECTION)</b>		
Manufacturer's Name:	Neogen Corporation	Emergency Phone No.:	859 254 1221
	944 Nandino Blvd.	Fax No.:	859 255 5532
	Lexington, KY 40511	e-mail:	<a href="mailto:inform@neogen.com">inform@neogen.com</a>
Date Prepared or Revised: 11/15/05			

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 <sub>50</sub>
None			
Non-hazardous component: Mannitol 20% w/v CAS 69-65-8	N/A	N/A	N/A

Section III – Physical Characteristics	
Boiling Point: No data available	Specific Gravity (H <sub>2</sub> O = 1): 1.07
Vapor Pressure (mm Hg.): No data available	Melting Point: N/A
Vapor Density (AIR = 1): No data available	Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: Soluble	
Appearance and Odor: Clear, colorless, odorless liquid	

Section IV – Fire and Explosion Hazard Data	
Flash Point ( <i>Method Used</i> ): No data available	Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A
Extinguishing Media: Water spray, CO <sub>2</sub> , dry chemical powder, foam	
Special Fire Fighting Procedures: Wear full faceplate and NIOSH-Approved self-container breathing apparatus	
Unusual Fire and Explosion Hazards: None	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid: None known
	Stable	X	
Incompatibility ( <i>Materials to Avoid</i> ): Oxidizing agents			
Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide			
Hazardous Polymerization	May Occur		Conditions to Avoid: None known
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation-Minor	Skin-Minor	Ingestion-Primary
Health Hazards (Acute and Chronic)	None known		
Carcinogenicity:	NTP-Non-carcinogenic (National Toxicology Program)	IARC Monographs-Not listed (International Agency for Research in Cancer)	OSHA Regulated-Yes
Signs and Symptoms of Exposure: No adverse clinical effects have been associated with exposure to this material. Excessive consumption has been associated with a laxative effect.			
Medical Conditions Generally Aggravated by Exposure: None known			
Emergency / First Aid Procedures	Ingestion: Give one or two glasses of water to drink, Seek medical attention if feeling unwell		
	Inhalation: Remove to fresh air, seek medical attention if irritation develops		
	Eye Contact: Wash with copious amounts of water		
	Skin Contact: Wash with soap and water		

Section VII – Precautions for Safe Handling and Use
Accidental Release Measures: Wash spilled liquid to drain
Waste Disposal Method: Disposal by washing to drain is acceptable. Ensure compliance with local, state and Federal regulations.
Handling and Storing: Read and follow all label directions
Other Precautions: For veterinary use only

Section VIII – Control Measures		
Respiratory Protection (Specify Type): None		
Ventilation	Local Exhaust: None	Special: None
	Mechanical (General): Adequate	Other: None
Protective Gloves: None		Eye Protection: Safety glasses or goggles
Other Protective Clothing or Equipment: None		
Work / Hygienic Practices: Wash with soap and water		

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.



# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/6

## Mannitol Injection 20%

Revision 0  
Revision date 2019-02-26

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Mannitol Injection 20%
Product code	09061

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

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC29] Pharmaceuticals;
Description	Sterile solution. For animal use only. Not for human use. Permitted for use only by and under the supervision of licensed veterinarians.

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

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

#### 1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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#### Further information

Manufactured By:	Neogen Corporation 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
Hotline(s):	Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

### SECTION 2: Hazards identification

#### 2.2. Label elements

Hazard Statements	No Significant Hazard
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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## Mannitol Injection 20%

Revision 0  
Revision date 2019-02-26

## 3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Mannitol		69-65-8	200-711-8		20 - 30%	

## Description

No components need to be disclosed according to the applicable regulations.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	May cause irritation to eyes. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING unless advised to do so by a doctor.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

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

Burning produces irritating, toxic and obnoxious fumes.

## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

## 6.2. Environmental precautions

Prevent further spillage if safe. Do not flush into surface water. Do not let product contaminate subsoil.

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

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 6.4. Reference to other sections

See section 2, 8, and 13 for further information.

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Carefully follow label instructions for indications, dosing, storage, and handling. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled

# Mannitol Injection 20%

Revision 0  
Revision date 2019-02-26

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

containers. Keep at temperature not exceeding 30°C.

## 7.3. Specific end use(s)

See section 1.2 for further information.

## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Use as appropriate: Chemical resistant clothing.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Hand protection	Wear suitable gloves.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State	Liquid
Color	Clear/Colorless
Odor	Odorless
Odour threshold	No data available
pH	4.5 - 7
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Explosive properties	Not applicable.
Oxidising properties	No data available
Solubility	Soluble in water

### 9.2. Other information

VOC (Volatile organic compounds) 0 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

## Mannitol Injection 20%

Revision 0  
Revision date 2019-02-26

## 10.3. Possibility of hazardous reactions

No data available.

## 10.4. Conditions to avoid

Keep away from sources of ignition - No smoking. Keep in a cool place away from direct sunlight.

## 10.5. Incompatible materials

Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Carbon oxides.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	Prolonged or repeated exposure may cause: Damage to organs.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause eye irritation.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	May cause irritation to respiratory system.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

## 11.1.4. Toxicological information

Mannitol Injection 20% Oral Rat LD50: 62500

## SECTION 12: Ecological information

## 12.1. Toxicity

Not applicable.

## 12.2. Persistence and degradability

No data available.

## 12.3. Bioaccumulative potential

## Partition coefficient

Mannitol Injection 20% No data available

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

## General information

Dispose of in compliance with all local and national regulations. Do not contaminate water by



## Mannitol Injection 20%

Revision 0  
Revision date 2019-02-26

## General information

cleaning of equipment or disposal of wastes.

## Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

## SECTION 14: Transport information

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## Further information

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

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

<b>Regulations</b>	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory. Materials are exempt from TSCA under Section 3(2)(B)(vi) when used for pharmaceutical application.</p> <p>US State Regulations:</p> <p>New Jersey Right-to-Know Hazardous Substance List: This material contains no reportable components.</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: This material contains no reportable components.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: This material contains no reportable components.</p>
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## Further information

The labeling requirements of the Federal Food, Drug, and Cosmetic Act differ from the classification criteria and hazard information required for safety data sheets and for workplace

# Mannitol Injection 20%

Revision 0  
Revision date 2019-02-26

## Further information

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. CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

NDC# 59051-8061-5.

## SECTION 16: Other information

### Other information

Maximum content of VOC 0 g/l.

### Further information

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