

## Safety Data Sheet

### 1. Material and Supply Company Identification

**Product Name:** PeCOD® Calibrant

**Chemical Name:** Sorbitol Solution

**Synonyms:**

Advanced Blue Range Calibrant

Green Range Calibrant

Yellow Range Calibrant

Red Range Calibrant

**Product Use:** For the calibration of the MANTECH PeCOD® Analyzer. Laboratory and industrial use only.

**Manufacturer Information:**

579453 Ontario Inc.

o/a MANTECH

5473 Highway 6 North

Guelph, ON, N1H 6J2

Phone: 519-763-4245

Emergency Phone Number: **519-763-4245** or **519-835-5252**

### 2. Hazards Identification

**Hazard Classification**

Not classified

**Label Elements**

*Symbol:* No symbol

*Signal Word:* No signal word

*Hazard Statements:* Not applicable

*Precautionary Statements:* Not applicable

**Other hazards which do not result in classification**

*Skin:* Prolonged or repeated exposure may result in slight irritation.

**Ingestion:** Ingestion of large amounts may result in stomach irritation.

<b>HMIS Ratings:</b>	<b>Health: 0</b>	<b>Fire: 0</b>	<b>Physical Hazard: 0</b>
<b>Hazard Scale:</b>	0 = Minimal	1 = Slight	2 = Moderate
	3 = Serious	4 = Severe	* = Chronic

### 3. Composition Information

Component	CAS #	Percent
Sorbitol	50-70-4	<2%
Silver Nitrate	7761-88-8	<0.01%
Water	7732-18-5	Balance

### 4. First Aid Measures

**Eye:** Wash with running water for at least 15 minutes. Seek medical attention if irritation develops.

**Skin:** Wash area with soap and water. Seek medical attention if irritation develops.

**Ingestion:** If uncomfortable, seek medical attention.

**Inhalation:** Remove patient to fresh air. Seek medical attention for any breathing difficulties.

**Advice to Doctor:** Treat symptomatically.

### 5. Fire-Fighting Measures

**General Fire Hazards:**

Non-combustible solution.

**Hazardous Combustion Properties:**

None identified.

**Extinguishing Media:**

Not combustible, however, if material is involved in a fire use dry chemical, foam, carbon dioxide, water fog.

**Fire Fighting Equipment/Instructions:**

Firefighters should wear self-contained breathing apparatus and suitable protective clothing

<b>NFPA Ratings:</b>	<b>Health: 0</b>	<b>Fire: 0</b>	<b>Physical Hazard: 0</b>
<b>Hazard Scale:</b>	0 = Minimal	1 = Slight	2 = Moderate
	3 = Serious	4 = Severe	

## 6. Accidental Release Measures

### **Containment Procedures:**

Contain the discharged material.

### **Clean-Up Procedures:**

Wear appropriate personal protective equipment. Absorb spill with inert material such as lime, polypads, or other suitable absorbent material.

### **Evacuation Procedures:**

None necessary.

### **Special Procedures:**

Follow all local, State, Federal, and Provincial regulations for disposal. Wash area down with excess water.

## 7. Handling and Storage

### **Handling Procedures:**

Avoid eye contact and repeated or prolonged skin contact. Exercise good industrial and personal hygiene procedures.

### **Storage Procedures:**

Keep container tightly closed, and store at room temperature.

## 8. Exposure Controls / Personal Protection

### **Exposure Guidelines**

#### **A: General Product Information:**

Exposures should be minimized in accordance with good industrial hygiene practices

#### **B: Component Exposure Limits:**

ACGIH, OSHA, NIOSH or the provinces of Canada have not developed exposure limits for this product

### **Engineering Controls:**

Not Necessary. Natural ventilation should be adequate under normal conditions. Keep containers closed when not in use.

**Personal Protective Equipment (PPE)**

**Eyes/Face:** Wear safety glasses

**Skin:** Wear impervious (neoprene) gloves and cotton/polyester lab coat or overalls

**Respiratory:** Use in a ventilated area.

**General:** Wash hands after handling material and before eating or drinking.

**9. Physical and Chemical Properties**

<b>Appearance</b>	Clear, colourless	<b>Evaporation Rate</b>	Similar to Water
<b>Physical State</b>	Liquid	<b>Lower Flammable Limit (LFL)</b>	Not Applicable
<b>Odour</b>	Odorless	<b>Upper Flammable Limit (UFL)</b>	Not Applicable
<b>Odour Threshold</b>	Not Applicable	<b>Vapour Pressure</b>	Not Available
<b>pH</b>	4-6	<b>Vapour Density</b>	Not Available
<b>Melting Point</b>	Not Available	<b>Solubility (H<sub>2</sub>O)</b>	Miscible with Water
<b>Boiling Point</b>	>100°C (220°F)	<b>Specific Gravity</b>	Not Available
<b>Flash Point</b>	Not Applicable	<b>Auto Ignition Temperature</b>	Not Applicable

**10. Stability and Reactivity**
**Chemical Stability:**

This is a stable material.

**Conditions of Avoid:**

Heat, incompatibilities. Stable under normal conditions. Hygroscopic.

**Incompatibility:**

Strong oxidizers.

**Hazardous Decomposition Products:**

Decomposition may yield Carbon Monoxide, Carbon Dioxide, and/or low molecular weight hydrocarbons when heated.

## 11. Toxicological Information

### ACUTE DOSE EFFECTS

**A: General Product Information:**

Over exposure may be irritating to contaminated tissues, but is reversible when removed from exposure

**B: Component Analysis – LD50 / LC50:**

No LD50 or LC50 available for this product.

**Epidemiology:**

No Epidemiology data is available for this product

**Carcinogenicity:**

**A: General Product Information:**

No carcinogenicity data available for this product

**B: Component Carcinogenicity:**

None of the products components are listed by ACGIH, IARC, OSHA, NIOSH or NTP

**Mutagenicity:**

No mutagenicity data available for this product

**Teratogenicity:**

No Teratogenicity data available for this product

**Neurological Effects:**

No Neurological data available for this product

**Other Toxicological Information:**

No additional information available

## 12. Ecological Information

**Ecotoxicity:**

No Ecotoxicity data available for this product

**Environmental Fate:**

No information available for this product

### 13. Disposal Considerations

**Disposal Instructions:**

Dispose of waste according to Local, State, Federal and Provincial Environmental Regulations.

### 14. Transport Information

**UN Number:** None allocated

**UN Proper Shipping Name:** None allocated

**DG Class & Subsidiary Risk:** None allocated

**Packing Group:** None allocated

**DOT:**

This product is not regulated as a hazardous material for transportation

**IATA:**

This product is not regulated as a hazardous material for transportation

**IMDG:**

This product is not regulated as a hazardous material for transportation

### 15. Regulatory Information

**US Federal regulations**

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

**Canadian regulations**

Not listed on the Canadian DSL (Domestic Substances List) inventory

**WHMIS Classification:** Not classified by WHMIS.

Not listed on the Canadian Ingredient Disclosure List

**EU Regulations**

No additional information available

### 16. Other Information

Workers should be trained to handle hazardous chemicals. It is recommended that they are familiar with the contents of this safety data sheet (SDS). This SDS is not a risk assessment; recipients are advised to make their own risk assessment as required by other Health and Safety legislations.

**Created:** June 20, 2012

**Revised:** August 21, 2019

**Reference:** Not Available

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