

## SAFETY DATA SHEET

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Identifier:</b> Vacuum Clean™ Tablets		<b>Product P/N:</b> 3547	<b>WHMIS Classification:</b>
<b>Product Use:</b> Cleaning and deodorizing vacuum lines			<b>EPA#:</b>
<b>Manufacturer's Name:</b> Palmero Health Care		<b>Supplier's Name:</b> Palmero Health Care	
<b>Street Address:</b> 120 Goodwin Place		<b>Street Address:</b> 120 Goodwin Place	
<b>City:</b> Stratford	<b>State:</b> CT	<b>City:</b> Stratford	<b>State:</b> CT
<b>Postal Code:</b> 06615	<b>Emergency Telephone:</b> 800-255-3924	<b>Postal Code:</b> 06615	<b>Emergency Telephone:</b> 800-255-3924
<b>Date MSDS Prepared:</b> 4/17/18	<b>MSDS #:</b> 450	<b>MSDS Prepared By:</b> BD	<b>Phone Number:</b> 203-377-6424

**SECTION 2 - HAZARD IDENTIFICATION**

<b>Route of Entry:</b>	<input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion
<b>Potential Health Effects:</b> Have not been established (unnecessary exposure to this product or any chemicals should be avoided). Contact with eyes is painful and irritating. Prolonged or repeated contact with skin may cause irritation.	

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous/Ingredients (specific):</b>	<b>%</b>	<b>CAS Number</b>	<b>PEL</b>	<b>TLV</b>
Dimethyl benzyl ammonium chloride	39.50%		Not Applicable	Not Applicable
Inert Ingredients	60.50%		Not Applicable	Not Applicable

**SECTION 4 - FIRST AID MEASURES**

<b>Skin Contact:</b> Wash with water, then soap and water, rinse thoroughly.
<b>Eye Contact:</b> Flush with water at least 15 minutes. Contact physician if irritation or redness occurs.
<b>Inhalation:</b> Not Applicable
<b>Ingestion:</b> Call physician immediately
<b>Other:</b>

## SECTION 5 - FIRE FIGHTING MEASURES

<b>Flammable:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If yes, under which conditions:</b>		
<b>Means of Extinction:</b> No information available. Dry contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.			
<b>Flashpoint (°C) and Method:</b> Not Determined	<b>Upper Flammable Limit</b> (% by volume)	<b>Lower Flammable Limit</b> (% by volume)	
	Not Applicable	Not Applicable	
<b>Hazardous Combustion Products:</b> Not Applicable			
<b>NFPA Legend:</b>	Insignificant - Extreme 0    1    2    3    4	<b>HMIS Legend:</b>	4=Extreme    3=Serious    2=Moderate 1=Slight    0=Minimal
<input checked="" type="checkbox"/> NFPA	<input type="checkbox"/> HMIS	Health=0	Fire=0    Reactivity=0    Protective Equipment=Not Applicable

## SECTION 6 - ACCIDENTIAL RELEASE MEASURES

**Leak and Spill Procedures:** Sweep up and collect in appropriate container. Wash areas with water.

## SECTION 7 - HANDLING AND STORAGE

**Handling Procedures and Equipment:** Wash hands thoroughly after handling. Do not store near fire or open flame, protect from excessive heat and moisture.

**Storage Requirements:** Keep lid firmly closed when not in use. Do not store near fire or open flame, protect from excessive heat and moisture.

## SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Limits:</b>	<input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)
<b>Specific Engineering Controls (such as ventilation, enclosed process):</b> Not Applicable			
<b>Personal Protective Equipment:</b>	<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator	<input type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
<b>If checked, please specify type:</b> None required. Wash hands after handling product. Wear protective clothing for repeated or prolonged use. Skin protection is not necessary for this product in individual dosages or industrial size application dosages. Caution should be used to avoid contact with eyes or prolonged skin contact.			

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b> Solid tablet	<b>Odor and Appearance:</b> Blue amorphous crystalline solid, coconut oil	<b>Odor Threshold (ppm):</b> Not Applicable
<b>Specific Gravity (water=1):</b> 0.981	<b>Vapor Density (air=1):</b> Not Applicable	<b>Vapor Pressure (mmHg):</b> Not Applicable
<b>Evaporation Rate:</b> Not Applicable	<b>Boiling Point (°f):</b> Not Applicable	<b>Melting Point (°F):</b> 225°F
<b>pH:</b> 7.32	<b>Volatile:</b> Not Applicable	<b>Solubility in Water:</b> 100% Soluble

## SECTION 10 - STABILITY AND REACTIVITY

<b>Chemical Stability:</b> Stable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	if no, under what conditions?
<b>Incompatibility with Other Substrates:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	if yes, which ones? Strong oxidizing agents
<b>Reactivity, and under what conditions?</b> Strong oxidizing agents		
<b>Hazardous Decomposition Products:</b> Not Applicable		

## SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Effects of Acute Exposure:</b> Vapor irritates eyes, nose, and throat. Liquid will <u>temporarily</u> damage eye tissue.	
<b>Effects of Chronic Exposure:</b> Prolonged and/or repeated skin contact may be irritating.	
<b>Irritancy of Product:</b> Contact with eyes is painful and irritating. Prolonged or repeated contact with skin may cause irritation.	
<b>Skin Sensitization:</b> Avoid direct contact	<b>Respiratory Sensitization:</b> Avoid prolonged contact
<b>Carcinogenicity-IARC:</b> No	<b>Carcinogenicity-ACGIH:</b> No
<b>Reproductive Toxicity:</b> No	<b>Teratogenicity:</b> No
<b>Embrototoxicity:</b> No	<b>Mutagenicity:</b> No
<b>Name of synergistic products/effects:</b>	

## SECTION 12 - ECOLOGICAL INFORMATION

**Aquatic Toxicity:** to be used in conjunction with water. The tablet is biodegradable.

## SECTION 13 - DISPOSABLE CONSIDERATIONS

**Waste Disposal:** May be disposed in a permitted landfill in accordance with Federal, State, and Local regulations.

## SECTION 14 - TRANSPORT INFORMATION

<b>Special Shipping Information:</b>	<input type="checkbox"/> PIN <input type="checkbox"/> TDG <input type="checkbox"/> DOT <input type="checkbox"/> IMO <input type="checkbox"/> ICAO <input type="checkbox"/> Other
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**Instructions:** None

## SECTION 15 - REGULATORY INFORMATION

<b>WHMIS Classification:</b>	<b>OSHA:</b>
<b>SERA:</b>	<b>TSCA:</b>

*This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CFR) and the MSDS contains all of the information required by CFR.*

## SECTION 16 - OTHER INFORMATION

**Other Information:**

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express, or implied, and disclaims all liability arising from the use of this information.

# SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Identifier:</b> Vacuum Shock™ Tablets		<b>Product P/N:</b> 3546	<b>WHMIS Classification:</b>
<b>Product Use:</b> Time-released tablet cleans odor causing bacteria and improve vacuum line function			<b>EPA#:</b>
<b>Manufacturer's Name:</b> Palmero Health Care		<b>Supplier's Name:</b> Palmero Health Care	
<b>Street Address:</b> 120 Goodwin Place		<b>Street Address:</b> 120 Goodwin Place	
<b>City:</b> Stratford	<b>State:</b> CT	<b>City:</b> Stratford	<b>State:</b> CT
<b>Postal Code:</b> 06615	<b>Emergency Telephone:</b> 800-255-3924	<b>Postal Code:</b> 06615	<b>Emergency Telephone:</b> 800-255-3924
<b>Date MSDS Prepared:</b> 4/17/18	<b>MSDS #:</b> 500	<b>MSDS Prepared By:</b> BD	<b>Phone Number:</b> 203-377-6424

## SECTION 2 - HAZARD IDENTIFICATION

<b>Route of Entry:</b>	<input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion
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**Potential Health Effects:** Have not been established (unnecessary exposure to this product or any chemicals should be avoided). Contact with eyes is painful and irritating. Prolonged or repeated contact with skin may cause irritation.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Ingredients (specific):	%	CAS Number	PEL	TLV
Dimethyl benzyl ammonium chloride	38.60%		Not Applicable	Not Applicable
Inert Ingredients	61.40%		Not Applicable	Not Applicable

## SECTION 4 - FIRST AID MEASURES

**Skin Contact:** Wash with water, then soap and water, rinse thoroughly.

**Eye Contact:** Flush with water at least 15 minutes. Contact physician if irritation or redness occurs.

**Inhalation:** Not Applicable

**Ingestion:** Call physician immediately

**Other:**

## SECTION 5 - FIRE FIGHTING MEASURES

<b>Flammable:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If yes, under which conditions:</b>	
<b>Means of Extinction:</b> No information available. Dry contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.		
<b>Flashpoint (°C) and Method:</b> Not Determined	<b>Upper Flammable Limit (% by volume)</b>	<b>Lower Flammable Limit (% by volume)</b>
	Not Applicable	Not Applicable
<b>Hazardous Combustion Products:</b> Not Applicable		
<b>NFPA Legend:</b> Insignificant - Extreme 0    1    2    3    4	<b>HMIS Legend:</b> 4=Extreme    3=Serious    2=Moderate 1=Slight    0=Minimal	
<input type="checkbox"/> NFPA <input checked="" type="checkbox"/> HMIS    Health=1    Fire=1    Reactivity=0    Protective Equipment=Not Applicable		

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedures:** Sweep up and collect in appropriate container. Wash areas with water.

## SECTION 7 - HANDLING AND STORAGE

**Handling Procedures and Equipment:** Wash hands thoroughly after handling. Do not store near fire or open flame, protect from excessive heat and moisture.

**Storage Requirements:** Keep lid firmly closed when not in use. Do not store near fire or open flame, protect from excessive heat and moisture.

## SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Limits:</b>	<input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)
<b>Specific Engineering Controls (such as ventilation, enclosed process):</b> Not Applicable			
<b>Personal Protective Equipment:</b>	<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator	<input type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
<b>If checked, please specify type:</b> None required. Wash hands after handling product. Wear protective clothing for repeated or prolonged use. Skin protection is not necessary for this product in individual dosages or industrial size application dosages. Caution should be used to avoid contact with eyes or prolonged skin contact.			

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b> Solid tablet	<b>Odor and Appearance:</b> White amorphous crystalline solid, coconut oil	<b>Odor Threshold (ppm):</b> Not Applicable
<b>Specific Gravity (water=1):</b> 0.981	<b>Vapor Density (air=1):</b> Not Applicable	<b>Vapor Pressure (mmHg):</b> Not Applicable
<b>Evaporation Rate:</b> Not Applicable	<b>Boiling Point (°F):</b> Not Applicable	<b>Melting Point (°F):</b> 225°F
<b>pH:</b> 7.25	<b>Volatile:</b> Not Applicable	<b>Solubility in Water:</b> 100% Soluble

## SECTION 10 - STABILITY AND REACTIVITY

<b>Chemical Stability:</b> Stable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	if no, under what conditions?
<b>Incompatibility with Other Substrates:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	if yes, which ones? Strong oxidizing agents
<b>Reactivity, and under what conditions?</b> Strong oxidizing agents		
<b>Hazardous Decomposition Products:</b> Not Applicable		

## SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Effects of Acute Exposure:</b> Vapor irritates eyes, nose, and throat. Liquid will temporarily damage eye tissue.	
<b>Effects of Chronic Exposure:</b> Prolonged and/or repeated skin contact may be irritating.	
<b>Irritancy of Product:</b> Contact with eyes is painful and irritating. Prolonged or repeated contact with skin may cause irritation.	
<b>Skin Sensitization:</b> Avoid direct contact	<b>Respiratory Sensitization:</b> Avoid prolonged contact
<b>Carcinogenicity-IARC:</b> No	<b>Carcinogenicity-ACGIH:</b> No
<b>Reproductive Toxicity:</b> No	<b>Teratogenicity:</b> No
<b>Embrototoxicity:</b> No	<b>Mutagenicity:</b> No
<b>Name of synergistic products/effects:</b>	

## SECTION 12 - ECOLOGICAL INFORMATION

**Aquatic Toxicity:** to be used in conjunction with water. The tablet is biodegradable.

## SECTION 13 - DISPOSABLE CONSIDERATIONS

**Waste Disposal:** May be disposed in a permitted landfill in accordance with Federal, State, and Local regulations.

## SECTION 14 - TRANSPORT INFORMATION

<b>Special Shipping Information:</b>	<input type="checkbox"/> PIN <input type="checkbox"/> TDG <input type="checkbox"/> DOT <input type="checkbox"/> IMO <input type="checkbox"/> ICAO <input type="checkbox"/> Other
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**Instructions:** None

## SECTION 15 - REGULATORY INFORMATION

<b>WHMIS Classification:</b>	<b>OSHA:</b>
<b>SERA:</b>	<b>TSCA:</b>

*This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CFR) and the MSDS contains all of the information required by CFR.*

## SECTION 16 - OTHER INFORMATION

**Other Information:**

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