

Celeste Industries Corp.  
7978 Industrial Park Road  
Easton, Maryland 21601

CELESTE CONTACT: 410-822-5775  
24 HOUR EMERGENCY -  
CHEMTREC: 800-424-9300

Document control number: MS88 - Rev 7

PART NUMBER: LB-VAK/1  
SP-VAK Series

## MATERIAL SAFETY DATA SHEET

### PRODUCT IDENTIFICATION

Material Name : Sani-Vak: Celeste Vacuum Line Cleaner **Hazard Rating**  
MSDS Date : 8 JUNE 2009 **Health** ..... 2  
Supersedes : 7 MARCH 2008 **Fire** ..... 0  
Prepared By : D.A. COOPER **Reactivity** ..... 0  
**Personal Protective Equipment.** B

Scale: 4- Extreme 1- Slight  
3- High 0- Insignificant  
2- Moderate

COMPONENT INFORMATION	EXPOSURE LIMIT INFORMATION (in mg/m <sup>3</sup> )					
			OSHA		ACGIH	
COMPONENT	CAS NO.	AMT. (%)	TWA	PEL/ STEL	TLV / TWA	TLV/ STEL
Phosphoric Acid	7664-38-2	5		3	1	3
Proprietary Surfactant Blend		12				

**Note: The surfactant is a non-hazardous non-regulated proprietary additive.**  
Formulation is considered to be a Trade Secret.

### EMERGENCY RESPONSE INFORMATION

#### FIRST AID PROCEDURES

**Inhalation:** Remove to fresh air if irritated by odor  
**Eye Contact :** Flush immediately with clean water for as least 15 minutes.  
**Skin Contact:** Flush skin with plenty of water if splashed/spilled on oneself.  
**Ingestion:** If ingested, drink plenty of water to dilute. Call a physician immediately. Do not induce vomiting. Harmful if swallowed.

#### SPILL OR LEAK HANDLING INFORMATION

Keep unneutralized product out of sewers, watersheds and water systems.  
**Personal Protection:** Gloves & chemical splash goggles or full face shield.  
**Procedures:** Neutralize with soda ash or lime or dilute with large volumes of water (10 parts water to 1 part spill). Flush residual spill area with large amounts of water.

**FIRE FIGHTING INFORMATION**

**This material is not combustible.**

**Department of Transportation (DOT) Emergency Response Guide Number:** N/A

**Unusual Hazards:** 75 % Phosphoric Acid can react with metals to liberate hydrogen, a flammable gas. (Sani-Vak has 5% Phosphoric Acid)

**Extinguishing Agents:** Not Applicable

**Personal Protective Equipment:** Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

**PHYSICAL/CHEMICAL CHARACTERISTICS**

**FIRE AND EXPLOSIVE PROPERTIES**

Flash Point.....	>200 Degrees F - TCC
Auto-ignition temperature....	Not Known
Lower Explosive Limit.....	Not Known
Upper Explosive Limit.....	Not Known

**REACTIVITY INFORMATION**

<b><u>Materials to avoid:</u></b>	Avoid contact with sulfides and sulfites which could release toxic gases, and be cautious mixing with strong bases because of high heat reaction can generate steam.
<b><u>Hazardous Decomposition Products:</u></b>	None known.
<b><u>Hazardous Polymerization:</u></b>	No.
<b><u>Incompatibility:</u></b>	No.

**PERSONAL PROTECTION MEASURES**

Phosphoric Acid may not produce an immediate burning sensation upon skin contact, delaying the awareness of the worker that contact has occurred.

**Respiratory Protection:** None generally required (use NIOSH-approved respirator if desired).

**Eye Protection:** Use goggles or face shield.

**Hand Protection:** Use rubber gloves.

**FACILITY CONTROL MEASURES**

**Ventilation:** Local - ventilation meeting ACGIH criteria.

**Other Protective Equipment:** Use plastic or rubber apron to protect clothing, if needed.

**STORAGE AND HANDLING INFORMATION**

**Storage Conditions:** Usual precautions for corrosive liquids.

**Handling Procedures:** Handling procedures appropriate for corrosive liquids.

**SUPPLEMENTAL INFORMATION**

**Typical Physical Properties**

Appearance.....	Transparent Liquid
Color.....	Lt Yellow to Colorless
State.....	Liquid
Odor Characteristic.....	No foreign odor
pH.....	1-2
Viscosity.....	10 - 3000 cPs @ 70 F
Specific Gravity (Water = 1).....	Not available
Vapor Density (Air = 1).....	Not available
Vapor Pressure .....	Same as water
Melting Point.....	Not available
Boiling Point.....	Not available
Solubility in water.....	Soluble
Percent Volatility.....	Not available
Evaporation rate (Butyl Acetate = 1).....	Slow (<1.0)

**TOXICITY INFORMATION**

**Acute Data**

Oral LD50.....	Not Available
Dermal LD50.....	Not Available
Skin Irritation.....	Not Available
Eye Irritation.....	Not Available

**WASTE DISPOSAL:** Disposal in landfill approved for same, away from water supplies. Incineration is an alternate method. Neutralize with soda ash or lime (pH to 6-7) and flush to sewer. Dispose of in accordance with applicable federal, state, and local regulations.

## REGULATORY INFORMATION

### WORKPLACE CLASSIFICATIONS:

**OSHA (USA):** Phosphoric Acid is identified as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200). This is a 5% Phosphoric Acid Solution

**WHMIS (Canada):**

**Singapore (Asia):**

### TRANSPORTATION:

#### HAZMAT MARKING:

**Domestic(US):** 8 Corrosive Material (Phosphoric Acid Solution) / UN1760 / PG III

**International Air(ICA/O/IATA):** Corrosive, NOS (Phosphoric Acid Solution), UN1760, PG III

**For shipments originating in Asia and shipping within Asia only:** HAZMAT markings not required for ground and sea shipments. Air shipments require proper HAZMAT markings per IATA standards.

#### HAZMAT LABEL:

**Domestic(US):** Corrosive

**International (ICA/O/IATA):** Corrosive

**Packing Group:** III

**For shipments originating in Asia and shipping within Asia only:** HAZMAT markings not required for ground and sea shipments. Air shipments require proper HAZMAT markings per IATA standards.

### EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3) – Domestic (US) Only:

#### Section 311/312 Categorizations (40CFR 370):

#### Section 313 Information (40CFR 372):

Phosphoric Acid hazard categories under criteria of SARA Title II Rules (40 CFR part 370): Immediate  
 This material contains Phosphoric Acid, CAS: 7664-38-2, percent by weight in product: 5%. Reportable de minimus concentration 1% through SARA Section 313 of Title III. As currently defined in the federal Resource Conservation and Recovery Act, unneutralized Phosphoric Acid, when discarded, is a hazardous waste exhibiting the characteristics of corrosivity (D-002). See 40 CFR 261.22. Consult your attorney or appropriate regulatory officials for information regarding additional state and local waste disposal requirements.

### RCRA INFORMATION:

#### Reportable Quantity (RQ) Under U.S. EPA

#### CERCLA Regulations:

#### Toxic Substances Control Act (TSCA):

Phosphoric Acid RQ = 5,000 lbs.

At 5% Sani-Vac RQ = 25,000 lbs.

All components in this material are in the TSCA Inventory

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. **Celeste Industries Corporation** assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.

#### ABBREVIATIONS:

**ACGIH** = American Conference of Government Industrial Hygienists

**IATA** = International Air Transport Association

**ICAO** = International Civil Aviation Organization

**OSHA** = Occupational Safety and Health Administration

**PEL** = Permissible Exposure

**STEL** = Short-Term Exposure Limit

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**TLV** = Threshold Limit Value

**TWA** = Time Weighted Average

**WHMIS** = Workplace Hazardous Materials Information System

