

Conforms to 93/112/EC and ISO 11014-1

Responsible Name Pierce Administration

? **Section 1. Chemical Product and Company Identification**

Product name **PepClean™ C-18 Spin Columns**

Product No. 0089870 0089873

Supplier	<i>In USA:</i> Pierce P.O. Box 117 Rockford, IL 61105 USA 815.968.0747 or 1.800.874.3723	<i>In Europe:</i> Perbio Science Industriezone III Industrielaan 27 9320 Erembodegem-Aalst Belgium Tel:+32 53 83 44 04 Fax:+32 53 83 76 38	Manufacturer	Pierce Milwaukee LLC 2202 N. Bartlett Avenue Milwaukee, WI 53202-1009 USA 1.877.886.7629
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In Case of Emergency CALL CHEMTREC:

800.424.9300
OUTSIDE US:
202.483.7616

Print Date 7/24/2003

Validation Date **6/10/2003**

MSDS# 6783

Intended Use Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.

 **Section 2. Composition, Information on Ingredients**

Substance/Preparation : Substance

Ingredient Name	CAS No.	%	EC Number	Symbol	R-Phrases
1) PepClean™ C-18 Spin Columns	112926-00-8	98-100	Not available.	Xn	R20, R36/37

 **Section 3. Hazards Identification**

United States Review the most current and approved institutional guideline, protocol, standard operating procedure(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this product.

Emergency Overview WARNING!
CAUSES DAMAGE TO THE FOLLOWING ORGANS: MUCOUS MEMBRANES, RESPIRATORY TRACT, SKIN, EYES.
MAY BE HARMFUL IF INHALED.
MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION.
Avoid contact with eyes. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Routes of Entry Dermal contact. Inhalation. Ingestion.

Potential Acute Health Effects Hazardous in case of eye contact (irritant), of inhalation (lung irritant).

Carcinogenic Effects Data **CARCINOGENIC EFFECTS:** Classified None. by NIOSH. 3 (Not classifiable for human.) by IARC.

MUTAGENIC EFFECTS: Classified None. for human.

TERATOGENIC EFFECTS: Classified None. for human.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Overexposure /Signs/Symptoms Not available.

Europe

Classification **R20, R36/37**
Physical/chemical hazards Not applicable.
Human health hazards Harmful by inhalation.
Irritating to eyes and respiratory system.
Environmental hazards Not applicable.

See Toxicological Information (section 11)

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Section 4. First Aid Measures

Notice to Reader Get immediate medical attention.

Effects and symptoms

<i>Inhalation</i>	Hazardous in case of inhalation (lung irritant).
<i>Ingestion</i>	Not available.
<i>Skin Contact</i>	Not available.
<i>Eye Contact</i>	Hazardous in case of eye contact (irritant).
<i>Aggravating conditions</i>	Repeated or prolonged exposure is not known to aggravate medical condition.

First-Aid Measures

<i>Inhalation</i>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<i>Ingestion</i>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
<i>Skin Contact</i>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<i>Eye Contact</i>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<i>Notes to Physician</i>	Not available.
<i>Protection of first-aiders</i>	Not available.

Section 5. Fire Fighting Measures

<i>Flammability of the Product</i>	Non-flammable.
<i>Flash Points</i>	Not applicable.
<i>Fire Hazards in Presence of Various Substances</i>	Not applicable.
<i>Fire Fighting Media and Instructions</i>	Not applicable.
<i>Protective Clothing (Fire)</i>	Not applicable.
<i>Hazardous thermal (de)composition products</i>	Not applicable.

Section 6. Accidental Release Measures

<i>Personal precautions</i>	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
<i>Environmental Precautions and Clean-up Methods</i>	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
<i>Small Spill and Leak</i>	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

<i>Handling</i>	Avoid contact with eyes. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
<i>Storage</i>	Keep container tightly closed. Keep container in a cool, well-ventilated area.
<i>Intended Use</i>	Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.
<i>Packaging materials</i>	
<i>Suitable / Not suitable</i>	Use original container.

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Section 8. Exposure Controls/Personal Protection

Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Exposure Limit Values

Ingredient Name

Occupational Exposure Limits

United States

1) PepClean C-18 Spin Columns

TWA: 10 (mg/m³) from ACGIH (TLV) [United States] [2000] Inhalation
TWA: 6 (ppb) from OSHA (PEL) [United States] [1989] Inhalation
TWA: 6 (mg/m³) from OSHA (PEL) [United States] [1989] Inhalation

Sweden

1) PepClean C-18 Spin Columns

Not available.

Denmark

1) PepClean C-18 Spin Columns

Not available.

Norway

1) PepClean C-18 Spin Columns

Not available.

France

1) PepClean C-18 Spin Columns

Not available.

Netherlands

1) PepClean C-18 Spin Columns

Not available.

Germany

1) PepClean C-18 Spin Columns

Not available.

Personal Protection

Eyes Splash goggles.

Body Lab coat.

Hands Gloves.

Respiratory Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits.

Protective Clothing
(Pictograms)



Section 9. Physical and Chemical Properties

Physical State and Appearance Solid. (Powdered solid.)

Odor Not available.

Molecular Weight Not available.

Taste Not available.

pH (1% Soln/Water) 6 [Acidic.]

Color White.

Melting/Freezing Point 1710°C (3110°F)

Specific Gravity 2.2 (Water = 1)

Dispersion Properties Not available.

Solubility Insoluble in cold water, hot water.

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Section 10. Stability and Reactivity

- Stability and Reactivity* The product is stable.
- Conditions to avoid* Not available.
- Materials to avoid* Reactive with acids.
- Hazardous Polymerization* Will not occur.
- Hazardous Decomposition Products* Not applicable.



Section 11. Toxicological Information

- Toxicity to Animals* LD50: Not available.
LC50: Not available.
- Chronic Effects on Humans* **CARCINOGENIC EFFECTS:** Classified None. by NIOSH. 3 (Not classifiable for human.) by IARC.
MUTAGENIC EFFECTS: Classified None. for human.
TERATOGENIC EFFECTS: Classified None. for human.
Causes damage to the following organs: mucous membranes, upper respiratory tract, skin, eyes.
- Other Toxic Effects on Humans* Hazardous in case of eye contact (irritant), of inhalation (lung irritant).
- Special Remarks on Toxicity to Animals* Not available.
- Special Remarks on Chronic Effects on Humans* Not available.
- Special Remarks on Other Toxic Effects on Humans* Not available.



Section 12. Ecological Information

- Mobility* Not available.
- Persistence/degradability* Not available.
- Bioaccumulative potential* Not available.
- Ecotoxicity* Not available.
- Germany water class* VCI WGK: No products were found.



Section 13. Disposal Considerations

- Waste Information* Waste must be disposed of in accordance with federal, state and local environmental control regulations.
- Waste Stream* Not available.

Consult your local or regional authorities.



Section 14. Transport Information

Contact the supplier for all information regarding the proper transportation method for this material.

Section 15. Regulatory Information

Label Requirements (Europe)

R20- Harmful by inhalation.
 R36/37- Irritating to eyes and respiratory system.

S22- Do not breathe dust.
 S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36- Wear suitable protective clothing.

HCS Classification Irritating substance.

U.S. Federal Regulations TSCA 4(a) proposed test rules: PepClean C-18 Spin Columns
 SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 302/304/311/312 hazardous chemicals: No products were found.
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
 SARA 313 toxic chemical notification and release reporting: No products were found.
 Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: No products were found.
 Clean air act (CAA) 112 accidental release prevention: No products were found.
 Clean air act (CAA) 112 regulated flammable substances: No products were found.
 Clean air act (CAA) 112 regulated toxic substances: No products were found.

WHMIS (Canada) Not controlled under WHMIS (Canada).

CEPA DSL: PepClean C-18 Spin Columns

International Regulations

EINECS Not available.

DSCL (EEC) R20- Harmful by inhalation.
 R36/37- Irritating to eyes and respiratory system.

International Lists Australia (NICNAS): PepClean C-18 Spin Columns

Korea (TCCL): PepClean C-18 Spin Columns

Philippines (RA6969): PepClean C-18 Spin Columns

State Regulations Massachusetts RTK: PepClean C-18 Spin Columns

California prop. 65: No products were found.

Section 16. Other Information

Hazardous Material Information System (U.S.A.)

Health	*	1
Fire Hazard		0
Reactivity		0
Personal Protection		E

National Fire Protection Association (U.S.A.)



References Not available.

History of Document Changes Any information changes since last document version are marked with a triangle symbol.

Full text of R-Phrases Harmful by inhalation.
referenced under headings 2 and 3: Irritating to eyes and respiratory system.

Intended Use Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.