

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

Responsible Name Pierce Administration

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

Product name **Blotting Paper 100 sheets/box**

Product No. 0088600

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 Biotechnology P.O. Box 117 Rockford, IL 61105 USA 815.968.0747 or 1.800.874.3723
-----------------	--	---	---------------------	--

In Case of Emergency CALL CHEMTREC:

800.424.9300
OUTSIDE US:
202.483.7616

Print Date 7/21/2004

Validation Date **7/19/2004**

MSDS# 7192

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 : Preparation

<u>Ingredient Name</u>	<u>CAS No.</u>	<u>%</u>	<u>EC Number</u>	<u>Symbol</u>	<u>R-Phrases</u>
1) Cellulose	9004-34-6	99+	232-764-9	--	--
2) Citric Acid Anhydrous	77-92-9	<0.2	201-069-1	Xi	R36/37/38

 **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!
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS:
LUNGS, DIGESTIVE SYSTEM.

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung irritant).

Carcinogenic Effects Data **CARCINOGENIC EFFECTS:** Classified None. by NIOSH [Citric Acid Anhydrous].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

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

Overexposure /Signs/Symptoms Not available.

Europe

Classification Not controlled under dsd (Europe).

Physical/chemical hazards Not applicable.

Human health hazards Not applicable.

Environmental hazards Not applicable.

See Toxicological Information (section 11)

Continued on Next Page

+ Section 4. First Aid Measures

Notice to Reader Get immediate medical attention.

Effects and symptoms

Inhalation Slightly hazardous in case of inhalation (lung irritant).

Ingestion Slightly hazardous in case of ingestion.

Skin Contact Sensitization of the product: Not available.

Slightly hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Eye Contact Slightly hazardous in case of eye contact (irritant).

Aggravating conditions Repeated or prolonged exposure is not known to aggravate medical condition.

First-Aid Measures

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Skin Contact Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Eye Contact 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 if irritation occurs.

Notes to Physician Not available.

Protection of first-aiders Not available.

🔥 Section 5. Fire Fighting Measures

Flammability of the Product May be combustible at high temperature.

Flash Points CLOSED CUP: 246.11°C (475°F).

Fire Hazards in Presence of Various Substances Not available.

Fire Fighting Media and Instructions SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Protective Clothing (Fire) Be sure to use an approved/certified respirator or equivalent.

Hazardous thermal (de)composition products These products are carbon oxides (CO, CO₂).

Section 6. Accidental Release Measures

Personal precautions Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Environmental Precautions and Clean-up Methods Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Small Spill and Leak Use appropriate tools to put the spilled solid in a convenient waste disposal container.

◇ Section 7. Handling and Storage

Handling Avoid breathing dust.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

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

Packaging materials

Suitable / Not suitable Use original container.

Continued on Next Page

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) Cellulose

TWA: 10 (mg/m³) from ACGIH (TLV) [United States]
 TWA: 15 (ppb) from OSHA (PEL) [United States] Total.
 TWA: 5 (ppm) from NIOSH [United States] Inhalation Respirable.

Sweden

Denmark

Norway

France

Netherlands

Germany

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.

Odor Not available.

Molecular Weight Not applicable.

Taste Not available.

Melting/Freezing Point

260.05 to 270.05°C (500.1 to 518.1°F) based on data for: Cellulose.

Color Not available.

Specific Gravity The only known value is 1.27 (Water = 1) (Cellulose).

Dispersion Properties Is not dispersed in cold water, hot water.

Solubility Insoluble in cold water, hot water.

**Section 10. Stability and Reactivity**

- Stability and Reactivity** The product is stable.
- Conditions to avoid** Not available.
- Materials to avoid** Reactive with oxidizing agents.
- Hazardous Polymerization** Will not occur.
- Hazardous Decomposition Products** These products are carbon oxides (CO, CO₂).

**Section 11. Toxicological Information**

- Toxicity to Animals**
- Cellulose:**
- ORAL (LD50): Acute: >5000 mg/kg [Rat].
- DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].
- DUST (LC50): Acute: >5800 mg/m³ 4 hours [Rat].
- Citric Acid Anhydrous:**
- ORAL (LD50): Acute: 5040 mg/kg [Mouse].
- Chronic Effects on Humans** **CARCINOGENIC EFFECTS:** Classified None. by NIOSH [Citric Acid Anhydrous].
- Other Toxic Effects on Humans** Slightly hazardous in case of eye contact (irritant), of ingestion, 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)

This product is not classified according to the EU regulations.

HCS Classification Target organ effects.

U.S. Federal Regulations TSCA 8(b) inventory: Cellulose; Citric Acid Anhydrous
 TSCA 8(d) H and S data reporting: Cellulose
 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: Citric Acid Anhydrous
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Citric Acid Anhydrous: immediate health hazard
 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) CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
 CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

CEPA DSL: Cellulose; Citric Acid Anhydrous

International Regulations

EINECS Not available.

DSCL (EEC) This product is not classified according to the EU regulations.

International Lists Australia (NICNAS): Citric Acid Anhydrous
 Germany water class: Citric Acid Anhydrous
 Korea (TCCL): Citric Acid Anhydrous
 Philippines (RA6969): Citric Acid Anhydrous

State Regulations Pennsylvania RTK: Cellulose
 Massachusetts RTK: Cellulose
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 referred under headings 2 and 3: No hazardous ingredient.

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

Blotting Paper 100 sheets/box

Page: 6/6

Validated by Pierce Administration on 7/19/2004.

Verified by Pierce Administration.

Date of Previous Issue No Previous
Validation

Printed 7/21/2004.

Version

1

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.