

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

Responsible Name Pierce Administration

? Section 1. Chemical Product and Company Identification

Product name **North2South Substrate Equilibration Buffer**

Product No. 1856227

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 2/4/2003

Validation Date **2/4/2003**

MSDS# 6676

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

<u>Ingredient Name</u>	<u>CAS No.</u>	<u>%</u>	<u>EC Number</u>	<u>Symbol</u>	<u>R-Phrases</u>
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No hazardous ingredient according to 29 CFR 1910.1200 Hazard Communication Standard (USA) and Directives 1999/45/EC-2001/59/EC (EU)

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 No specific hazard.

Routes of Entry Not available.

Potential Acute Health Effects No specific information is available in our database regarding the acute toxic effects of this material for humans.

Carcinogenic Effects Data **CARCINOGENIC EFFECTS:** Not available.

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)

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+ Section 4. First Aid Measures

Effects and symptoms

<i>Inhalation</i>	Not available.
<i>Ingestion</i>	Not available.
<i>Skin Contact</i>	Not available.
<i>Eye Contact</i>	Not available.
<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>	Safety glasses. Lab coat.
<i>Environmental Precautions and Clean-up Methods</i>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
<i>Small Spill and Leak</i>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.

◇ Section 7. Handling and Storage

<i>Handling</i>	Avoid breathing vapors or spray mists.
<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 Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Exposure Limit Values

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
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United States

Sweden

1) North2South Substrate Equilibration Buffer	Not available.
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Denmark

1) North2South Substrate Equilibration Buffer	Not available.
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Norway

1) North2South Substrate Equilibration Buffer	Not available.
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France

1) North2South Substrate Equilibration Buffer	Not available.
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Netherlands

1) North2South Substrate Equilibration Buffer	Not available.
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Germany

1) North2South Substrate Equilibration Buffer	Not available.
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Personal Protection

Eyes Safety glasses.

Body Lab coat.

Protective Clothing
(Pictograms)



Section 9. Physical and Chemical Properties

Physical State and Appearance Liquid.

Odor Not available.

Molecular Weight Not available.

Taste Not available.

Dispersion Properties Not available.

Color Not available.

Solubility Not available.



Section 10. Stability and Reactivity

- Stability and Reactivity* The product is stable.
- Conditions to avoid* Not available.
- Materials to avoid* Not available.
- 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* Not available.
- Other Toxic Effects on Humans* No specific information is available in our database regarding the other toxic effects of this material for humans.
- 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

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U.S. Federal Regulations TSCA: No products were found.

- 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).

No products were found.

International Regulations

EINECS Not available.

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

International Lists VCI WGK: No products were found.

State Regulations No products were found.
California prop. 65: No products were found.

Section 16. Other Information

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

Health	0
Fire Hazard	0
Reactivity	0
Personal Protection	a

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 Not applicable.
 referenced under headings 2 and 3:

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

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Verified by Pierce Administration.

Date of Previous Issue 1/15/2003

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Version 4

Notice to Reader

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