

# Material Safety Data Sheet

<b>Section 1. Chemical Product and Company Identification</b>			
<b>Common Name</b>	<b>Carbolink Equilibration Buffer</b>	<b>Code</b>	0 0 2 1 0 3 5 1 8 5 2 6 8 0 component of #0044900
<b>Supplier</b>	PIERCE CHEMICAL COMPANY P.O. BOX 117 ROCKFORD, IL 61105 815.968.0747	<b>MSDS#</b>	1989
<b>Synonym</b>	Not available.	<b>Validation Date</b>	1/13/98
<b>Trade name</b>	Not available.	<b>Print Date</b>	8/19/98
<b>Material Uses</b>	Not available.	<b>Responsible Name</b>	Company
<b>Manufacturer</b>	Pierce Chemical Company P.O. Box 117 Rockford, IL 61105 815.968.0747	<b>In Case of Emergency</b>	CALL CHEMTREC: 800.424.9300 OUTSIDE US: 202.483.7616

<b>Section 2. Composition and Information on Ingredients</b>			
Name	CAS #	% by Weight	Exposure Limits
No hazardous ingredient.			

<b>Section 3. Hazards Identification</b>	
<b>Physical State and Appearance</b>	Liquid.
<b>Emergency Overview</b>	
<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Ingestion.
<b>Potential Acute Health Effects</b>	
<i>Eyes</i>	
<i>Skin</i>	
<i>Inhalation</i>	
<i>Ingestion</i>	
<b>Potential Chronic Health Effects</b>	
<b>Medical Conditions Aggravated by Overexposure</b>	There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.
<b>Overexposure /Signs/Symptoms</b>	Not available.
<b>See Toxicological Information (section 11)</b>	

<b>Section 4. First Aid Measures</b>	
<b>Eye Contact</b>	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used.
<b>Skin Contact</b>	NO known EFFECT on skin contact, rinse with water for a few minutes.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
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**Ingestion** DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Notes to Physician**

### Section 5. Fire Fighting Measures

<b>Flammability of the Product</b>	Combustible.
<b>Auto-ignition Temperature</b>	Not available.
<b>Flash Points</b>	Not available.
<b>Flammable Limits</b>	Not available.
<b>Products of Combustion</b>	Not available.
<b>Fire Hazards in Presence of Various Substances</b>	No specific information is available in our database regarding the flammability of this product in presence of various materials.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
<b>Fire Fighting Media and Instructions</b> <b>Protective Clothing (Fire)</b>	SMALL FIRE: Use DRY chemicals, CO <sub>2</sub> , water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
<b>Special Remarks on Fire Hazards</b>	No additional remark.
<b>Special Remarks on Explosion Hazards</b>	No additional remark.

### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
<b>Large Spill and Leak</b>	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

### Section 7. Handling and Storage

<b>Handling</b>	Not available.
<b>Storage</b>	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

### Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Personal Protection</b>	
<i>Eyes</i>	_____
<i>Body</i>	_____
<i>Respiratory</i>	_____
<i>Hands</i>	_____

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*Feet***Protective Clothing  
(Pictograms)**

**Personal Protection in Case of a Large Spill** Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Product Name****Exposure Limits**

No hazardous ingredients.

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties****Physical State and Appearance**

Liquid.

**Odor**

Not available.

**Molecular Weight**

Not available.

**Taste**

Not available.

**Molecular Formula****Color**

Clear Colorless.

**pH (1% Soln/Water)**

Not available.

**Boiling/Condensation Point**

Not available.

**Melting/Freezing Point**

Not available.

**Critical Temperature**

Not available.

**Specific Gravity**

Not available.

**Vapor Pressure**

Not available.

**Vapor Density**

Not available.

**Volatility**

Not available.

**Odor Threshold**

Not available.

**Evaporation Rate**

Not available.

**VOC****Viscosity**

Not available.

**LogK<sub>ow</sub>**

Not available.

**Ionicity (in Water)**

Not available.

**Dispersion Properties**

See solubility in water.

**Solubility**

Partially soluble in cold water, hot water.

**Physical Chemical Comments****Section 10. Stability and Reactivity****Stability and Reactivity**

The product is stable.

**Conditions of Instability**

No additional remark.

**Incompatibility with Various Substances**

No specific information is available in our database regarding the reactivity of this material in presence of various other materials.

**Hazardous Decomposition Products**

Not available.

**Hazardous Polymerization**

No.

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**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	LD50: Not available. LC50: Not available.
<b>Chronic Effects on Humans</b>	The substance is toxic to mucous membranes, upper respiratory tract, skin, eyes.
<b>Other Toxic Effects on Humans</b>	No specific information is available in our database regarding the other toxic effects of this material for humans.
<b>Special Remarks on Toxicity to Animals</b>	No additional remark.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remark.
<b>Special Remarks on Other Toxic Effects on Humans</b>	No additional remark.


**Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available.
<b>BOD5 and COD</b>	Not available.
<b>Biodegradable/OECD</b>	
<b>Mobility</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation</b>	Not available.
<b>Special Remarks on the Products of Biodegradation</b>	No additional remark.

**Section 13. Disposal Considerations**

<b>Waste Information</b>	Not available.
<b>Waste Stream</b>	Not available.
<b>Consult your local or regional authorities.</b>	

**Section 14. Transport Information**

<b>DOT Classification</b>	Not a DOT controlled material (United States).	
	Not applicable.	
	Not applicable.	
	Not applicable.	
<b>Marine Pollutant</b>	Not available.	
<b>Hazardous Substances Reportable Quantity</b>	Not available.	
<b>Special Provisions for Transport</b>	Not applicable.	
<b>TDG Classification</b>	Not controlled under TDG (Canada).	
<b>ADR/RID Classification</b>	Not controlled under ADR (Europe).	

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**IMO/IMDG Classification** Not controlled under IMDG.

**ICAO/IATA Classification** Not controlled under IATA.

**Section 15. Regulatory Information**

**HCS Classification**

**U.S. Federal Regulations**

**International Regulations**

**WHMIS (Canada)** Not controlled under WHMIS (Canada).  
No products were found.

**EINECS**

**DSCL (EEC)** Not controlled under DSCL (Europe).

**International Lists** No products were found.

**State Regulations**

**Section 16. Other Information**

**Label requirements**

**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.

**Other Special Considerations** No additional remark.

Validated by Company on 1/13/98.

Verified by Company.

Printed 8/19/98.

CALL CHEMTREC:  
800.424.9300  
OUTSIDE US:  
202.483.7616

**Notice to Reader**

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