

BBC Biochemical

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

Common Name: Acid Wash•Cyto™	Code: 3815
Supplier: BBC Biochemical	MSDS#: 3815
Synonym: None	Validation Date: 3-27-09
Trade Name:	Print Date: 3-27-09
Material Uses:	Responsible Name: Dr. B
Manufacturer: BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477

Section 2. Composition and Information on Ingredients

Name	CAS#	% by Weight	Exposure Limits
1) Water	1737-87-1	Percentage composition	
2) Selected Buffers	N/A	withheld as trade secret.	

Section 3. Hazards Identification

Physical State and Appearance	Clear aqueous solution.
Emergency Overview	Not available.
Routes of Entry	Eye contact, inhalation, ingestion, skin contact.
Potential Acute Health Effects	
Eyes	May cause irritation with redness and pain.
Skin	May cause irritation with redness and pain.
Inhalation	May cause irritation of the mucous membranes with sore throat and coughing.
Ingestion	Irritant to the gastrointestinal system.
Potential Chronic Health Effects	
Medical Conditions Aggravated by Overexposure/Overexposure/Signs/Symptoms	N/A

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes thoroughly with water for at least 15 minutes.
Skin Contact	Wash area thoroughly with copious amounts of water. Remove contaminated clothing and clean before wearing again.
Inhalation	Remove to fresh air, give artificial respiration if breathing has stopped.
Ingestion	Get immediate medical attention; if conscious, give water freely. Do not induce vomiting.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not available.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence Of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Not available.

Fire Fighting Media and Instructions Wear self-contained breathing apparatus.

Protective Clothing (Fire)

Special Remarks on Fire Hazards No unusual fire and/or explosion hazards indicated.

Special Remarks on Explosion Hazards

Section 6. Accidental Release Measures

Small Spill and Leak Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under section VIII. Contain the release and eliminate its source, if this can be done without risk. Take up and containerize for proper disposal as described under Waste Disposal Method. Comply with Federal, State, and Local regulations on reporting releases.

Large Spill and Leak Same as above.

Section 7, Handling and Storage

Handling Avoid prolonged, or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

Storage Keep container closed.

Section 8. Exposure Controls / Personal Protection

Engineering Controls

Personal Protection

Eyes Safety glasses with side shields should be worn at all times.

Body Impervious protective clothing should be worn to prevent skin contact.

Respiratory A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hands Protective gloves, rubber or equivalent, should be worn to prevent skin contact.

Feet Impervious shoes should be worn to prevent skin contact.

Personal Protection in

Case of a Large Spill Safety glasses with side shields, impervious clothing and footwear, protective gloves, respirator if necessary.

Product Name

Exposure Limits

- 1)
- 2)
- 3)

Consult Local authorities before acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance Colorless liquid.

Odor: Odorless.

Molecular Weight Not applicable.

Taste: Not available.

Molecular Formula Not applicable.

Color: Colorless.

pH (1%/Water) Not applicable.

Boiling/Condensation Point 100 C.

Melting/Freezing Point Not applicable.

Critical Temperature Not applicable.

Specific Gravity Not determined.

Vapor Pressure Not determined.

Vapor Density Not determined.

Volatility 100% volatile.

Odor Threshold Not applicable.

Evaporation Rate Not determined.

VOC Not available.

Viscosity Not available.

Ionicity (in water) Not available.

Dispersion Properties Not available.

Solubility Soluble in water.

Physical Chemical Not available.

Comments

Section 10. Stability and Reactivity

Stability and Reactivity	Stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Does not occur.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	
Other Toxic Effects on 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

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OEDC Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on The Products of Biodegradation	Not available.

Section 13. Disposal Considerations

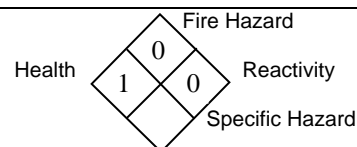
Waste Information	Not available.
Waste Stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	Not hazardous.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	Not applicable.
TDG Classification	Not controlled under TDG (Canada).
ADR/RID Classification	Not controlled under ADR (Europe).
IMO/IMDG Classification	Not controlled under IMDG.
ICAO/IATA Classification	Not controlled under IATA.

Section 15. Other Information

Label requirements			
Hazardous Material Information System (U.S.A.)	Health	1	National Fire Protection Association (U.S.A.)
	Fire Hazard	0	
	Reactivity	0	
	Personal Protection		
References			



**Other Special
Considerations**

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.