

BBC Biochemical MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information

Common Name: Chelator Cal™	Code: 6000
Supplier: BBC Biochemical	MSDS#: 6000
Synonym:	Validation Date: 2-20-09
Trade Name: Chelator Cal™	Print Date: 2-20-09
Material Uses: General Decalcifier	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	OSHA PEL/STEL
1) Water	N/A	<90%	N/A
2) Trizma HCl	1185-53-1	<8%	N/A
3) EDTA	6381-92-6	<10%	N/A

Section 3. Hazards Identification

Physical State and Appearance	Colorless liquid.
Emergency Overview	Not available.
Routes of Entry	Eye contact, inhalation, ingestion, skin contact.
Potential Acute Health Effects	
Eyes	May cause irritation with redness, pain, and possibly corneal damage.
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	Not available.
Overexposure/Signs/Symptoms	Not available.

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.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not flammable.
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****Special Remarks on****Explosion Hazards****Section 6. Accidental Release Measures****Small Spill and Leak****Large Spill and Leak**

Evacuate all unnecessary personnel. Wear suitable protective equipment listed. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. 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.

Section 7, Handling and Storage**Handling**

Avoid prolonged, or repeated skin contact. Do not get in eyes. Wash thoroughly after handling. Do not take internally.

Storage

Keep container closed.

Section 8. Exposure Controls / Personal Protection**Engineering Controls****Personal Protection**

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

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

Respiratory Any dust and mist respirator.

Hands Rubber or equivalent worn to protect skin contact

Feet Not available.

Personal Protection in Case of a Large Spill**Product Name****Exposure Limits**

1)

2)

3)

Consult Local authorities before acceptable exposure limits.

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

Clear liquid.

Odor: Not available.

Molecular Weight

Not applicable.

Taste: Not available.

Molecular Formula

Not applicable.

Color: Colorless.

pH (1%/Water)

Not applicable.

Boiling/Condensation Point

Not applicable.

Melting/Freezing Point

Not applicable.

Critical Temperature

Not applicable.

Specific Gravity

Not applicable.

Vapor Pressure

Not applicable.

Vapor Density

Not applicable.

Volatility

Not applicable.

Odor Threshold

Not applicable.

Evaporation Rate

Not applicable.

VOC

Not available.

Viscosity

Not available.

Ionicity (in water)

Not available.

Dispersion Properties

Not available.

Solubility

Not available.

Physical Chemical

Not available.

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

Stable.

Conditions of Instability

Not available.

Incompatibility with Various Substances

Oxidizers, bases.

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.
BODS and COD	Not available.
Biodegradable/OEDC	Not available.
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 2	National Fire Protection Association (U.S.A.)	
	Fire Hazard 1		
	Reactivity 0		
	Personal Protection		
References			
Other Special Considerations			
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