

Product Name: POLYAMINE BORON
Product ID # 08

Section I MANUFACTURER'S INFORMATION

Manufacturer's Name & Address

Verdesian Life Sciences
 12222 Ave 352
 Visalia, CA 93291

Emergency Telephone Number:

1-800-424-9300

Number for Information:

1-800-868-6446

Date Revised:

March 11, 2008

Section II PRODUCT COMPONENTS

COMPONENT:	%	THRESHOLD LIMIT VALUE (UNITS):
Boric Acid (H3BO3) compound with Amino Acid Complexes (CAS: 26038-87-9)	5.0	None Established
Inert	95.0	

Section III PHYSICAL INFORMATION

Appearance and Odor:	Colorless to faint yellow liquid with a fishy amine-like odor.		
Boiling Point (*C):	>93 C (>200 F)	Solubility in Water:	Miscible
Bulk Density:	11.0 - 11.2 lbs./gal.	Specific Gravity (Water =1)	1.14-1.16
Viscosity:	130 -170 cPs @ 70 F	pH:	8.20
Evaporation Rate (Butyl Acetate + 1):	<1	Vapor Density (Air =1):	Not available
Percent Volatile (By Volume):	Not available		
Vapor pressure (MMof Mercury):	Not available		

Section IV FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point (Specify Method -*C): Does not flash: not applicable

Flammable limits (Percent By Volume): Not Applicable

Fire Extinguishing Media:

Considered non-combustible; use medium appropriate to surrounding fire. Dry Chemical, CO2, Foam, Water Spray of Fog.

Special Fire Fighting Procedures:

Smoke and fumes from fire may contain hazardous components. Wear self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards:

If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies.

NFPA Hazard Rating:	0 Least	1 Health
	1 Slight	0 Flammability
	2 Moderate	0 Reactivity
	3 High	
	4 Severe	

Section V REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Excessive heat.
Incompatibility (Avoid contact with):	Strong oxidizers, acids.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.
Hazardous Decomposition Products:	Not Known. Oxides of nitrogen and other unknown hazardous material may be formed in a fire situation.

Section VI HEALTH INFORMATION

Toxicological Test Data:

(Source of information - Registry of Toxic Effects of Chemical Substances): None listed.

Effects of Overexposure:

Routes of Entry: Ingestion, inhalation, eyes and skin contact.

Most Likely Route of Entry: Dermal. May be harmful if swallowed or inhaled; irritation of eyes, nasal passages, throat skin; rash, dermatitis or other skin reactions.

Emergency and First Aid Procedures: Call physician immediately in all cases of suspected poisoning.

Ingestion: Harmful if swallowed. Call a physician immediately.

Eyes: Flush with running water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

Skin: Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse. If irritation persists, get medical attention.

Medical conditions aggravated by exposure:

None known. Preexisting skin or respiratory disorders may be aggravated by excessive exposure to this material.

Potential carcinogen Status (Source of information - Registry of Toxic Effects of Chemical Substances):

Not Known. None of the components in this product are listed by IARC, NTP or OSHA as a potential carcinogen.

Section VII **SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is released or spilled:

Contain spill; absorb liquids by covering with clay or other absorbent material; then vacuum or scoop and seep up wastes and place container for disposal.

Waste Disposal Method:

Material which cannot be used at the site should be disposed of in an approved waste disposal facility, following all applicable Federal, State and Local regulations. Triple rinse empty containers and offer for recycling or reconditioning, or puncture and dispose of in a approved sanitary landfill, or by other procedures approved by state and local authorities. Do not contaminate water supplies by disposal of wastes or containers.

Section VIII **SPECIAL PROTECTION INFORMATION**

Protective Clothing:	Eye Protection (Type):	Chemical goggles or shielded safety glasses recommended.	
Gloves (Type):		Rubber or impervious gloves recommended.	
Respiratory Protection:		Not normally required. If vapors may exceed acceptable levels, wear MSHA/	NIOSH-
		approved respirator or mask to protect against dusts, mists and vapors.	
Other Clothing:		Wear Clothing consistent with good practices for handling and applying pesticides. Wash clothing before reuse.	
Ventilation:			
Local Exhaust:		Not normally required.	
Mechanical (general):		Use if ventilation is not adequate.	
Special:		Not normally required.	
Other:		Work in a well ventilated area.	

Section IX **TRANSPORTATION INFORMATION**

Special Shipping Notes: This product is not regulated under national or international transport regulations.

Section X **SPECIAL PRECAUTIONS**

Handling and Storage:

Store in a cool, dry place away from children and other food and feed products. Do not contaminate other stored products or the storage of this product. Immediately clean up any spills which occur during handling and storage. Protect from freezing.

Other Precautions:

Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Read and follow precautionary measures on product label.

Section XI **REGULATORY INFORMATION**

Sara Title III Hazard Category:	Immediate	Y	Fire	N
	Delayed	N	Reactive	N
	Sudden Release of Pressure			N

Substances Regulated under Sara, Title III, Section 313.

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DATE: JANUARY 9, 1996

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