

# MATERIAL SAFETY DATA SHEET — GLB 20LF

Section 1— Chemical Product & Company Identification		
Trade Name:	GLB 20LF	Revision Date: 02/03/2003
CAS Name:	Mixture	
Product Description:	A concentrated non-bacterial readily biodegradable, enzymatic solution.	
Manufacturer's Name:	Great Lakes Bio Systems, Inc.	
Address:	4712 68th Ave. , Kenosha, WI 53144	
Phone:	Day: 262-657-6788	Evening: 262-657-1366

Section 2— Composition/Information on Ingredients			
Name	CAS#	WT.%	TLV
GLB 20LF is a proprietary composition "not considered hazardous" under the OSHA Hazard Communication Standard CFR Title 29 1910.1200			

Section 3— Physical and Chemical Properties	
Vapor Pressure	< 0.01 mm Hg @ 68°F (20°C)
Vapor Density (air = 1)	> 1
Specific Gravity:	1.000 – 1.010 @ 77° F (25° C)
Solubility in Water:	Soluble
Volatile Organic Content:	Negligible
Appearance:	Translucent, orange-yellow liquid
pH:	3.25 – 4.20 @ 77°F (25° C)
Boiling Point:	> 212° F (100° C)
Flash Point:	> 212° F (100° C)
Freezing Point:	< 32° F (0 ° C)
Viscosity:	~ 3 cP @ 77° F (25° C)
Evaporation Rate:	< 0.01 *N-butyl acetate = 1
Weight:	8.3 – 8.4 lb./gallon (~1.00 Kg/liter)
Odor:	Mild

Section 4 – Fire Fighting Measures	
Flammable Properties	
Flash Point:	> 212° F (100° C)
Method Used:	Open Cup
Flammable Limits:	Does Not Apply
Hazardous Combustion:	None Known
Extinguishing Media:	Water fog or fine spray, carbon dioxide, dry chemical or foam.
Fire Fighting Instructions:	Wear self-contained breathing apparatus and protective clothing. Use water to cool containers. Turn off electrical service to eliminate source of ignition.

Section 5 – Accidental Release Measures	
Large Spill:	Contain spill. Prevent runoff from entering drains, sewers or streams. Dispose in accordance with all applicable federal, state and local health and environmental regulations.
Small Spill:	Contain spill. Follow same procedure as above for large spill.

<b>Section 6 – Hazards Identification &amp; First Aid Measures</b>			
<b>HMIS HAZARD RATINGS</b>			
Health–0,1,2	Fire–0	Reactivity–0	Personal Protection–See Section 8
<b>Routes of Entry:</b>	Product may enter the body via eye contact, skin contact and ingestion.		
<b>Potential Health Effects:</b>			
Eye:	Eye contact with product may cause irritation. Avoid eye contact with product.		
Skin:	Skin contact may cause irritation. Avoid skin contact with product.		
Ingestion:	Swallowing may cause irritation of mouth and throat. It may also cause nausea. Do not taste or swallow product.		
<b>FIRST AID MEASURES</b>			
<b>Eye Contact:</b>	IMMEDIATELY flush eyes with a directed stream of water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.		
<b>Skin Contact:</b>	Flush skin with water and wash with soap and water. If clothing is penetrated, immediately remove clothing and flush skin with water. Wash clothes before reuse. GET PROMPT MEDICAL ATTENTION IF IRRITATION OCCURS.		
<b>Ingestion:</b>	Give 2 glasses of water. Do not induce vomiting. If spontaneous vomiting is inevitable, PREVENT ASPIRATION by keeping victim's head below the knees. GET IMMEDIATE MEDICAL ATTENTION.		
<b>Inhalation:</b>	Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have trained person administer mouth-to-mouth resuscitation. GET MEDICAL ATTENTION IMMEDIATELY.		
<b>Section 7 – Stability and Reactivity</b>			
<b>Hazardous Polymerization:</b>	Hazardous polymerization will not occur.		
<b>Materials to Avoid:</b>	Avoid contact with strong oxidizing and reducing agents.		
<b>Conditions to Avoid:</b>	See Section 9.		
<b>Hazardous Decomposition Products:</b>	Not Known. See Section 6.		
<b>Section 8 – Exposure Controls, Personal Protection</b>			
<b>Personal Protection</b>			
<b>Gloves:</b>	Always wear gloves when handling this product.		
<b>Safety Glasses:</b>	Always wear eye protection. Goggles or safety glasses with side shields are recommended.		
<b>Section 9 – Handling and Storage</b>			
<b>Storage Temperature:</b>	Store this product below 120° F (49° C), preferably below 75° F (24° C), in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight. For best results use within 12 months. Never come in contact with bactericides or quaternary disinfectants, as they will degrade/inactivate enzymes.		
<b>General Precautions:</b>	Keep container closed when handling or storing.		
<b>Section 10 – Other Information</b>			
<b>Disclaimer:</b>	The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Great Lakes Bio Systems, Inc. assumes no responsibility for personal injury or property damage to the Vendee, Users or Third Parties caused by the material. Such Vendees or Users assume all risks associated with the use of this material.		