



Material Safety Data Sheet

As per OSHA (Occupational Safety and Health Administration) / U.S. Department of Labor

Identity (as per label and technical record) <p style="text-align: center;">Xcelbio Liquid</p>	Note: Aqueous solution of natural extracts and micro-nutrients - Natural Bio Catalyst.
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Section I

Manufacturer Old Holborn c.c	Emergency Telephone +27 83 233 4336
P.O.Box 18 Rosetta 3301 South Africa	Information Telephone -- Fax + 27 83 233 4336
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Section II - Dangerous Ingredients / Identity Information

Other Limits	%
Dangerous Components (Specific Chemical Identity Common Name(s)) OSHA PEL AGGIH TLV Recommended (Optional)	
Contains non-pathogenic micro-organisms	
CAS n°.	Non available
DOT Classification:	N/A
DOT Label:	N/A
Tensioactive	

Section III - Physical / Chemical Characteristics

Boiling Point	100° C	Specific Gravity (water = 1)	1
Steam Pressure (mm Hg)	N / S	Melting Point	N/A
Steam Density (air = 1)	N / S	Evaporation Rate (Butyl acetate = 1)	Water
Solubility in water	Soluble		
Appearance and Smell	Clear, odorless, colorless liquid		



Section IV - Fire and Explosion risk Data

Ignition Point	Nil	Inflammability Limits	Nil
Fire Fighting Equipment Non-flammable			
Specific Fire Fighting Procedures None required			
Unusual Fire and Explosion Hazards None			

Ideal Conditions for Utilisation:

Condition	Range / Ideal	Condition	Range / Ideal
pH	3 - 11 / 7.0	Dissolved Oxygen, ppm	0.5 - 3 / 2
Temperature °C	5 - 40 / 35	Heavy Metals	traces / none
BOD : NH ₃ -N	10.1 - 10:0.5 / 10:1	BOD : PO ₄ - P	100:1

Storage and Care:

Storage	Keep in dry place at temperature of 7° to 40° C. DO NOT FREEZE
Care	Active micro-organisms present. Avoid imbibing. In case of contact with skin or mucous membranes wash the affected area with water.

Section V - Reactivity Data

Stability	Unstable		Conditions to be Avoided
	Stable	x	Radiation will render the product inactive
Incompatibility (Materials to be Avoided) None known			
Risks of Decomposition or Sub-Products None			
Polymerisation Risks	Possible		Conditions to be Avoided
	None	x	None known



Section VI - Health Hazards

Contamination by: Inhalation? x Skin? x Swallowing? x
Health Hazards (acute or chronic): No known allergic irritations and reactions on skin, or in eyes. Possible gastric disturbances if swallowed. Symptoms of individual persons vary.
Carcinogenicity: NTP? No. Monographic IARC? No. OSHA Regulamentation No.
Signs and Symptoms of Exposure to the Product: Persons with a history of allergy, sufferers from psoriasis should avoid contact with the liquid. Possibility of skin irritation.
Emergency and First Aid Procedures: Remove the victim from contact with product, wash skin with soap and water. Rinse eyes thoroughly with plenty of water, remove and wash contaminated clothing. Seek medical help if irritations or other symptoms appear within first 48 hours.

Section VII - Safe Use and Handling Precautions

Actions to be taken in Case of Spillage of Material: Protect eyes against contact during handling. Wear protective clothing and gloves.
Waste Material Disposal: Flush with water to drain.
Other Precautions: Maintain on-site facilities for washing eyes.

Section VIII - Control Measures

Respiratory Protection: None required		
Ventilation: None-required	Special	N / S
Mechanical (in general)	Other	N / S
Protective Gloves: rubber, leather	Eye Protection: Goggles with side pieces	
Other Protective Clothing/Equipment	Skin contact protection	
Industrial Hygiene Procedures: Maintain work site clean; in case of contact wash hands and affected areas. Remove contaminated clothing. In case of contamination, wash with water.		