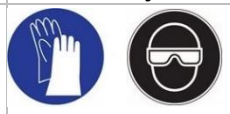
SAFETY DATA SHEET
Anaerobic BioChem (ABC®)

Aug 23, 2021

Section 1: Identification	
Product Name:	Anaerobic BioChem (ABC®)
Chemical Description:	Fermentable organic carbon with micronutrients
Manufacturer:	Redox Tech, LLC 200 Quade Drive Cary NC 27513 919-678-0140 www.redox-tech.com
Recommended Use:	Treatment of halogenated solvents and metals in soil and groundwater
Restricted Use:	
24-Hour Emergency Contact:	ChemTrec: Within USA and Canada: 1-800-424-9300 International +1 703-527-3887 (collect calls accepted)

Section 2: Hazard(s) Identification	
Hazard Classification:	Irritant (skin and eye)
Signal Word:	Warning
Hazard Statement(s):	Potential eye and skin irritant.
Pictograms:	
Precautionary Statement(s):	Not for human consumption. Do not store near excessive heat or oxidizers. Avoid contact with eyes and skin. Wear protective gloves and eye protection.

Section 3: Chemical Composition		
Chemical Name	CAS Number	Weight Percentage
Sodium Lactate	867-56-1	0 to 60
Ethyl Lactate	687-47-8	0 to 95
Glycerol	56-81-5	0 to 98
Fatty Acid Esters	135800-37-2	0 to 30
Phosphate Salts	14265-44-2	0 to 1.0

Section 4: First-Aid Measures	
Routes of Exposure	**Emergency First-Aid Procedures**
Inhalation	Remove to fresh air.
Eye Contact	Flush with water for 15 minutes; if irritation persists see a physician.
Skin Contact	Wash with mild soap and water.
Ingestion	Product is non-toxic. If nausea occurs, induce vomiting and seek medical attention.

Section 5: Fire-Fighting Measures	
Extinguishing Media:	CO_2, foam, dry chemical Note: Water, fog and foam may cause frothing and spattering.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus and chemical resistant clothing. Use water spray to cool fire exposed containers.
Fire Hazard(s):	Combustion will generate carbon dioxide and carbon monoxide

Section 6: Accidental Release Measures	
Personal Precautions:	Avoid contact with eyes and skin. Do not consume.
Emergency Procedures:	Avoid discharge to surface water bodies as it may cause depressed oxygen levels
Methods & Materials used for Containment:	Absorbent media, sorbent media, vacuum collection and disposal.
Cleanup Procedures:	Vacuum up excess liquid. Use absorbent media. Dispose of material according to local, state or federal requglations

Section 7: Handling and Storage	
Safe Handling & Storage:	Do not store near excessive heat or oxidizers.
Other Precautions:	Consumption of food and beverages should be prevented in work area where product is being used. After handling product, always wash hands and face thoroughly with soap and water before eating, drinking, or smoking.

Section 8: Exposure Controls/Personal Protection		
Exposure Limits		
OSHA PEL:	NE	
ACGIH TLV:	NE	
NIOSH REL:	NE	
Personal Protective Measures		
Respiratory Protection:	Not normally required. Avoid splashing and aerosols.	
Hand Protection:	Protective gloves are recommended	
Eye Protection:	Recommended with side shields	
Engineering Measures:	None should be required	
Hygiene Measures:	Wash promptly with soap & water if skin becomes irritated from contact.	
Other Protection:	Wear appropriate clothing to prevent skin contact.	

Section 9: Physical and Chemical Properties			
Appearance:	Clear or Milky	Explosive Limits:	NA
Odor:	Mild Organic	Vapor Pressure:	NA
Odor Threshold:	NA	Vapor Density:	Heavier than air
pH:	6 to 8 su	Relative Density:	0.8-1.3
Melting Point/Freezing Point:	Liquid at room temperature	Solubility:	Soluble
Boiling Point:	> 100C	Partition coefficient:	NE
Flash Point:	>300°F (149°C)	Auto-ignition Temperature:	NE
Evaporation Rate:	NA	Decomposition Temperature:	N/A
Flammability (solid, gas):	NA	Viscosity:	10-150 cP

NA – Not Available

Section 10: Stability and Reactivity	
Stability:	Stable
Incompatibility:	Oxidizers
Hazardous Decomposition Products:	Thermal decomposition may product carbon dioxide, carbon monoxide and other organic compounds
Hazardous Reactions/Polymerization:	None known
Conditions to Avoid:	Separation of product may occur if exposed to heat

Section 11: Toxicological Information		
Likely Routes of Exposure:		Ingestion, dermal and eye contact
Signs and Symptoms of Exposure:		None known
Health Hazards		
	Acute:	Potential eye and skin irritant
	Chronic:	None known
Carcinogenicity		
	NTP:	No
	IARC:	No
	OSHA:	No

Section 12: Ecological Information
Product is known to cause suppressed dissolved oxygen in water which can create aquatic stress

Section 13: Disposal Considerations	
Waste Disposal Methods:	Dispose of according to Federal and local regulations for non-hazardous material. Redox Tech will sometimes take product back.

Section 14: Transport Information
The product is not covered by international regulation on the transport of dangerous goods.
This product is non-hazardous for DOT

Section 15: Regulatory Information
Not subject to regulation. Generally recognized as safe.

Section 16: Other Information	
Date of Preparation:	1 April 2003
Last Modified Date:	23 August 2021