BIOLOGIC CHEMICAL WORKS

MATERIAL SAFETY DATA SHEET

MFG.CODE # 174

SECTION I				
MANUFACTURER'S NAME EMERGENCY TELEPHONE NO.				
BIOLOGIC CHEMICAL WORKS 248-941-0347				
ADDRESS (Street, City, State and Zip Code)				
P.O. BOX 82501 ROCHESTE	ROCHESTER, MI 48308			
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS			
N/A	BioCool			
CHEMICAL FAMILY	FORMULA			
Petroleum Hydrocarbon	N/A			

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES			
(CAS# 8012-95-1)	>1 5 mg/m³		

SECTION III – PHYSICAL DATA			
BOILING POINT °F	Not deter.	SPECIFIC GRAVITY (H2O = 1)	0.90
VAPOR PRESSURE (mm. Hg.)	Not deter.	PERCENT VOLATILE BY VOLUME (%)	0
VAPOR DENSITY (AIR = 1)	Not deter.	EVAPORATION RATE (=1) Butyl Acetate	Slower
SOLUBILITY IN WATER	Emulsifies	PH	N/A
APPEARANCE AND ODOR			

Light colored liquid with mild petroleum odor.

SECTION IV – FIRE AND EXPLOSION DATA				
FLASH POINT (Method Used)		FLAMMABLE LIMITS	Lel	Uel
375°F	ASTM D-92		Not deter.	Not deter.

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam, Sand or Earth SPECIAL FIRE FIGHTING PROCEDURES

Fire fighters should wear full protective clothing including self-contained respiratory equipment operated in a positive mode. Fight as Class B fire. Do not use streams of water. UNUSUAL FIRE AND EXPLOSION HAZARDS

Could create a moderate fire hazard if heated above flash point. "Empty" containers will retain product residues- do not cut, weld, pressurize, or expose to any ignition source.

SECTION V – HEALTH HAZARD DATA THRESHOLD LIMIT VALUE 5 mg / m³ EFFECTS OF OVEREXPOSURE Eyes- irritation, blurred vision. Skin- dry skin, irritation, possible dermatitis. Inhalation- respiratory difficulties, possible pulmonary fibrosis in high concentrations. Ingestion- nausea. EMERGENCY AND FIRST AID PROCEDURE Eyes- flush with copious amounts of water lifting lids and removing contact lenses to ensure complete irrigation- get medical attention. Skin- flush with water and then wash with soap and water, launder contaminated clothing before reuse- get medical attention if irritation persists. Inhalation- remove to fresh air and assist breathing as necessary- get medical attention. Ingestion- DO NOT INDUCE VOMITING- aspiration of material into lungs may cause chemical pnuemonitis which can be fatal- get medical attention immediately. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

No			
SECTION VI – REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Extreme heat and/or sources of ignition.
INCOMPATIBILITY (Materials to avoid)			
Strong Oxidizers, Acids			
HAZARDOUS DECOMPOSIT	TION PRODUCTS		
Oxides of Carbon and Sulfur, Hydrogen Sulfide, Asphyxiants, Hydrocarbons			
HAZARDOUS	MAY OCCUR CONDITIONS TO AVOID		

IARC

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WILL NOT OCCUR

Allergic reaction possible in certain sensitive individuals.

Eliminate all sources of ignition and ventilate area. Dike area to contain spill. Use absorbent material to soak up spill. Shovel or sweep into container for disposal. Clean area with detergent solution. Advise authorities if product has entered waterways.

WASTE DISPOSAL METHOD

POLYMERIZATION

CARCINOGEN:

Treat as for soluble oils. Deposit recovered oil in waste system, incinerate under approved conditions or transfer to approved re-refiner. Deposit of liquid in landfill is strictly regulated (40 CFR 265.314).

SECTION VIII - SPECIAL PROTECTION INFORMATION			
SPECIAL RESPIRATORY PROTECTION (Specify type)			
Use NIOSH approve	d respirator where mists are gene	erated.	
VENTILATION	LOCAL EXHAUST	LOCAL EXHAUST	
	To control TLV	To control TLV	
	MECHANICAL (General)	MECHANICAL (General)	
	To control TLV	To control TLV	
PROTECTIVE GLOVES		EYE PROTECTION	
Impervious		Chemical Goggles	
OTHER PROTECTIVE E	QUIPMENT		
Everyoch and cofety	charger		

Eyewash and safety shower.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact- wear protective clothing and wash thoroughly after using. Avoid inhalation of mists- use only with adequate ventilation. Do not take internally. Store in well ventilated area away from heat and sources of ignition. Keep container closed

OTHER PRECAUTIONS

when not in use. Keep Out of Reach of Children

HMIS SYMBOL

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

HMIS NFPA
SEVERE 4 EXTREME
SERIOUS 3 HIGH
MODERAT 2 MODERATE
SLIGHT 1 SLIGHT

SLIGHT 1 SLIGHT
MINIMAL 0 INSIGNIFICANT

NFPA SYMBOL	
FIRE	
2	REACTIVITY
TOXICITY	
IT	SPECIAL

NAME
John Petoskey

SIGNATURE

TITLE

Tech Support

PREPARATION DATE
July 9, 2009

PHONE NUMBER 248-941-0347

PAGE TWO:

OTHER

None

BioCool