

BioLogic Chemical Works

MATERIAL SAFETY DATA SHEET

MFG.CODE

SECTION I

MANUFACTURER'S NAME BioLogic Chemical Works		EMERGENCY TELEPHONE NO. 248-941-0347
ADDRESS (Street, City, State and Zip Code) P. O. BOX 82501, Rochester MI 48308		
CHEMICAL NAME AND SYNONYMS <p style="text-align: right;">N/A</p>	TRADE NAME AND SYNONYMS LOGICON	
CHEMICAL FAMILY <p style="text-align: right;">N/A</p>	FORMULA <p style="text-align: right;">N/A</p>	

SECTION II – HAZARDOUS INGREDIENTS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (UNITS)
Vinyl Toluene Acrylate Polymer	(CAS# 25085-34-1)	>1 Not deter.
Mineral Spirits	(CAS# 8052-41-3)	>1 100 ppm

All components of this product are listed on the E.P.A./TSCA inventory of chemical substances.

SECTION III – PHYSICAL DATA

BOILING POINT °F	300+	SPECIFIC GRAVITY (H ₂ O = 1)	0.858
VAPOR PRESSURE (mm. Hg.)	36	PERCENT VOLATILE BY VOLUME (%)	70
VAPOR DENSITY (AIR = 1)	4.83	EVAPORATION RATE (=1) Butyl Acetate	0.1
SOLUBILITY IN WATER	Insoluble	PH	N/A

APPEARANCE AND ODOR

Clear water white liquid with solvent odor.

SECTION IV – FIRE AND EXPLOSION DATA

FLASH POINT (Method Used) 105°F	T.C.C.	FLAMMABLE LIMITS	LeI	UeI
			0.9%	7.0%

EXTINGUISHING MEDIA

Water Fog, Foam, Dry Chemical, Carbon Dioxide

SPECIAL FIRE FIGHTING PROCEDURES

Fire fighters should wear full protective clothing including self-contained respiratory equipment operated in a positive mode. Do not use streams of water- scatters liquid.

UNUSUAL FIRE AND EXPLOSION HAZARDS

“Empty” containers will retain product residue- do not cut, weld, pressurize, expose to open flames or other ignition sources.

(Continued on reverse side)

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 100 ppm	PRIMARY ROUTES OF ENTRY Inhalation X Skin Contact X Other (Specify)		
EFFECTS OF OVEREXPOSURE Eyes- irritation. Skin- prolonged contact may dry skin causing irritation. Inhalation- may cause breathing difficulties, dizziness, unconsciousness, even death. 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 bronchopneumonia or pulmonary edema which can be fatal- get medical attention immediately.			
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE None Known			
CARCINOGEN: No	NTP	IARC	OTHER

SECTION VI – REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID High temperatures and sources of ignition.
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Strong Oxidizers, Acids and Bases, Selected Amines			
HAZARDOUS DECOMPOSITION PRODUCTS Oxides of Carbon			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID None
	WILL NOT OCCUR	X	

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED 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.	
WASTE DISPOSAL METHOD In accordance with all Local, State, and Federal Regulations.	

SECTION VIII – SPECIAL PROTECTION INFORMATION

SPECIAL RESPIRATORY PROTECTION (Specify type) Use NIOSH approved respirator in areas where TLV has been exceeded.		
VENTILATION	LOCAL EXHAUST To control TLV	SPECIAL N/A
	MECHANICAL (General) To control TLV	OTHER N/A
PROTECTIVE GLOVES Impervious	EYE PROTECTION Chemical Goggles	
OTHER PROTECTIVE EQUIPMENT Impervious apron and boots, eyewash and safety shower.		

SECTION IX – SPECIAL PRECAUTIONS

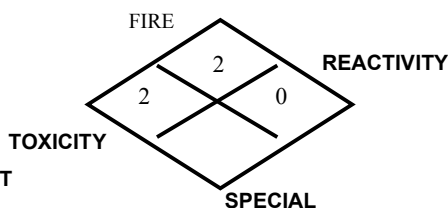
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Avoid contact- wear protective clothing and wash thoroughly after using. Avoid inhalation of vapors- use only with adequate ventilation. Do not take internally. Do not store or use near extreme heat or sources of ignition. Keep container closed when	
OTHER PRECAUTIONS not in use. Keep Out of Reach of Children.	

HMIS SYMBOL

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

	HMIS	NFPA
SEVERE	4	EXTREME
SERIOUS	3	HIGH
MODERAT	2	MODERATE
SLIGHT	1	SLIGHT
MINIMAL	0	INSIGNIFICANT

NFPA SYMBOL



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