



MATERIAL SAFETY DATA SHEET

DATE 10-27-86	ISSUE 2
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MFGR <input type="checkbox"/> DSTBR <input checked="" type="checkbox"/>	GC Electronics	ADDRESS 1801 Morgan St., Rockford, IL 61105-1209	EMERGENCY PHONE (815) 968-9661	27
PRODUCT NUMBER 10-302, 10-303, 10-304, 10-308, 10-309, 10-310		PRODUCT NAME SERVICE CEMENT		
CHEMICAL FAMILY				

SECTION II - INGREDIENTS

C.A.S. REGISTRY NO.	CHEMICAL NAME	% (WT)	TLV PEL	STEL	CARCINOGENIC AUTHORITY				
					YES	NO	AUTHORITY		
							NTP	IARC	OSHA
108-88-3	TOLUENE	15	100	150		X			
67-63-0	ISOPROPYL ALCOHOL	15	400	500		X			
141-78-6	ETHYL ACETATE	30	400	NE		X			
123-86-4	N. BUTYL ACETATE	5	150	200		X			
67-64-1	ACETONE	10	750	1000		X			
NE	NITROCELLULOSE	25	NE	NE		X			

SECTION III - PHYSICAL DATA

BOILING POINT _____ °C 132 _____ °F	SPECIFIC GRAVITY .975
VAPOR PRESSURE NE <input type="checkbox"/> P.S.I <input type="checkbox"/> MMHg	% VOLATILE BY VOLUME 79.4
VAPOR DENSITY NE	EVAPORATION RATE (Butyl Acetate =1) NE
SOLUBILITY IN H ₂ O NOT	FORM <input checked="" type="checkbox"/> LIQUID _____ PASTE _____ SOLID _____ GAS
APPEARANCE AND ODOR CLEAR VISCOUS LIQUID - SOLVENTS ODOR	

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT _____ °C 24 _____ °F <input type="checkbox"/> OPEN CUP <input checked="" type="checkbox"/> CLOSED CUP	FLAMMABLE LIMITS LOWER UPPER (% In Air) 1.2 12.8		
EXTINGUISHING MEDIA CO ₂ , WATER FOG, FOAM, DRY CHEMICAL			
SPECIAL FIRE FIGHTING PROCEDURES NONE			
UNUSUAL FIRE & EXPLOSION HAZARDS HAZARDOUS WHEN EXPOSED TO HEAT OR FLAME			
HMIS/NFPA RATINGS	HEALTH 2	FLAMMABILITY 3	REACTIVITY 3

NA = Not Applicable

NE = Not Established

UN = Not Available

SECTION V - HEALTH HAZARD INFORMATION

TLV (Threshold Limit Value)	NE	PEL (Permissible Exposure Limit)	NE	OTHER LIMIT	NE
EFFECTS OF OVEREXPOSURE					
PROLONGED OR REPEATED INHALATION ABOVE TLV OR LIQUID SKIN SKIN CONTACT MAY CAUSE NERVOUS SYSTEM, BLOOD OR KIDNEY DAMAGE. HEADACHE, LETHARGY, DROWSINESS DIFFICULTY WALKING, NAUSEA, WEIGHT LOSS MAY RESULT. VAPOR IRRITATING TO EYES, NOSE & THROAT. LIQUID IS AN EYE IRRITANT.					
PRIMARY ROUTES OF ENTRY -		<input checked="" type="checkbox"/> INHALATION	<input checked="" type="checkbox"/> SKIN CONTACT	<input type="checkbox"/> EYE CONTACT	<input checked="" type="checkbox"/> INGESTION
EMERGENCY/FIRST AID PROCEDURES					
EYES FLUSH WITH WATER - 15 MINUTES MIN.. SEE M.D.					
SKIN WASH WITH SOAP & WATER. CONSULT M.D. IF IRRITATION PERSISTS.					
INHALATION FRESH AIR, OXYGEN, ARTIFICIAL RESPIRATION - CONSULT M.D.					
INGESTION					

SECTION VI - REACTIVITY DATA

<input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID - HEAT, SPARKS, FLAME, SOURCES OF IGNITION
INCOMPATIBILITY (Mat'ls to Avoid) STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES	
HAZARDOUS DECOMPOSITION PRODUCTS CO ₂ , CO. DENSE TOXIC SMOKE	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURES ELIMINATE SOURCES OF IGNITION. ABSORB WITH INERT MATERIAL. STORE IN SEALED METAL CONTAINERS.
WASTE DISPOSAL LICENSED RECLAIMER OR INCINERATOR.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY NIOSH APPROVED RESPIRATOR	EYEWEAR CHEMICAL GOGGLES
VENTILATION <input checked="" type="checkbox"/> LOCAL EXHAUST <input checked="" type="checkbox"/> MECHANICAL AS REQUIRED TO MEET TLV'S	
CLOTHING/GLOVES AS REQUIRED TO AVOID SKIN CONTACT	

SECTION IX - SPECIAL PRECAUTIONS

HANDLING & STORING STORE COOL DRY AWAY FROM IGNITION SOURCES. KEEP CONTAINERS TIGHTLY CLOSED
OTHER AVOID INHALATION OF VAPORS AND PERSONAL CONTACT WITH LIQUID

BY
V. HAGEMAN

DATE
10-27-86