MATERIAL SAFETY DATA SHEET

DATE	ISSUE
10-27-86	2

MFGR ☐ DSTBR ☒ XX GC Electronics	ADDRESS 1801 Morgan St., Rockford, IL 61105-1209	EMERGENCY PHONE (815) 968-9661 27

PRODUCT NUMBER	PRODUCT NAME
10-302, 10-303, 10-304, 10-308, 10-309, 10-310	SERVICE CEMENT

CHEMICAL FAMILY

SECTION II - INGREDIENTS

C.A.S. REGISTRY NO.	CHEMICAL NAME	% (WT)	TLV PEL	STEL		CARCINOGENIC YES	CARCINOGENIC NO	AUTHORITY NTP	AUTHORITY IARC	AUTHORITY 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	SPECIFIC GRAVITY	
____ °C 132 ____ °F	.975	
VAPOR PRESSURE ☐ P.S.I ☐ MMH₃ NE	**% VOLATILE BY VOLUME** 79.4	
VAPOR DENSITY NE	**EVAPORATION RATE** (Butyl Acetate =1) NE	
SOLUBILITY IN H_2O NOT	**FORM** ___X___ LIQUID _____ PASTE _____ SOLID _____ GAS	

APPEARANCE AND ODOR
CLEAR VISCOUS LIQUID - SOLVENTS ODOR

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT	FLAMMABLE LIMITS (% In Air)	
____ °C 24 °F ☐ OPEN CUP XX ☒ CLOSED CUP	LOWER 1.2 UPPER 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	FLAMMABILITY	REACTIVITY
	2	3	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 — XX INHALATION XX SKIN CONTACT ☐ EYE CONTACT XX 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

XX STABLE ☐ 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
☐ MAY OCCUR XX 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 XX LOCAL EXHAUST XX 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