U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration Form Approved OMB No. 44-R1387

## MATERIAL SAFETY

Required under USDL Safety and Health Regulations for Ship Repairing,

		SECT	ION I	(	9/86
MANUFACTURER'S NAME	NAME EMERGENCY TELEPHONE NO. 612-733-1110				
ADDRESS (Number, Street, City, State, and ZIP Co 3M Center, St. Paul, M.	<i>inne</i>	<del></del> esota	55144		
CHEMICAL NAME AND SYNONYMS			TRADE NAME AND SYNONYMS ORP-77 Electrostatic	То	ner
CHEMICAL FAMILY			FORMULA		
SECTION	-      -	HAZAF	RDOUS INGREDIENTS		<u></u>
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
OLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS Mixed isodecanes	99	3 00
others Carbon black treate	d w	ith in	soluable resinous mixture 0	.5	
			QUIDS, SOLIDS, OR GASES	%	TLV (Units)
* recommended by manuf	acti	urer_			
SEC	OITC	NIII - F	PHYSICAL DATA		
		N III - I	PHYSICAL DATA  SPECIFIC GRAVITY (H20=1)		
BOILING POINT (°F.) range 320-350		mHg_	SPECIFIC GRAVITY (H <sub>2</sub> O=1)  PERCENT, VOLATILE BY VOLUME (%)	<u> </u>	<b>→</b> 98%
POILING POINT (°F.) range 320-350 APOR PRESSURE (mm Hg.) approx.3			SPECIFIC GRAVITY (H <sub>2</sub> O=1)  PERCENT, VOLATILE BY VOLUME (%)	<u> </u>	
VAPOR DENSITY (AIR=1)	6 m	mHg	PERCENT, VOLATILE BY VOLUME (%)  EVAPORATION RATE D-RUTY   acetat	<u> </u>	
VAPOR DENSITY (AIR=1) SOLUBILITY IN WATER	6 m	mHg 5 0.01%	SPECIFIC GRAVITY (H <sub>2</sub> O=1)  PERCENT, VOLATILE BY VOLUME (%)	e (	.45
POILING POINT (°F.) range 320-350  VAPOR PRESSURE (mm Hg.) approx.3  VAPOR DENSITY (AIR=1)  SOLUBILITY IN WATER  APPEARANCE AND ODOR Liquid ink	6 m	mHg 5 0.01% pearan	SPECIFIC GRAVITY (H <sub>2</sub> O=1)  PERCENT, VOLATILE BY VOLUME (%)  EVAPORATION RATE (	e (	.45
POILING POINT (°F.) range 320-350  VAPOR PRESSURE (mm Hg.) approx.3  VAPOR DENSITY (AIR=1)  FOLUBILITY IN WATER  APPEARANCE AND ODOR Liquid ink  SECTION IV -  FLASH POINT (Method used) 102-107°F	6 m	mHg 5 0.01% pearan	SPECIFIC GRAVITY (H <sub>2</sub> O=1)  PERCENT, VOLATILE BY VOLUME (%)  EVAPORATION RATE (	e (	.45
SECTION IV -  FLASH POINT (Method used)  EXTINGUISHING MEDIA  FOAM type extinguisher  SPECIAL FIRE FIGHTING PROCEDURES	6 m	mHg 5 0.01% pearan REANDE	SPECIFIC GRAVITY (H20=1)  PERCENT, VOLATILE BY VOLUME (%)  EVAPORATION RATE (	e (	.45
VAPOR PRESSURE (mm Hg.) approx.3  VAPOR DENSITY (AIR=1)  SOLUBILITY IN WATER  APPEARANCE AND ODOR Liquid ink  SECTION IV -  FLASH POINT (Method used) 102-107°F  EXTINGUISHING MEDIA FOAM type extinguisher  SPECIAL FIRE FIGHTING PROCEDURES	6 m	mHg 5 0.01% pearan REAND F	SPECIFIC GRAVITY (H20=1)  PERCENT, VOLATILE BY VOLUME (%)  EVAPORATION RATE (	e (	.45

	Si	ECTION '	V - HEA	LTH HAZARD DATA
THRESHOLD LIMIT			,	
EFFECTS OF OVER		22260	- dies	rinoga goordination lass fability
				ziness, coordination loss, fatigue
EMERGENCY AND I Ingestion:	FIRST AID PROCEDU	JRES		strointestinal irritation.  Give water or milk and call physic
or poison	control. E	ye: F	lush wi	th large amounts of water for at leas
10 min. and	d call phys	<u>ician.</u>		lation: Provide non-contaminated a
		SECTION		oxygen if needed.
STABILITY	SECTION VI - REACTIVITY DATA  CONDITIONS, TO AVOID			
SIABILITY	UNSTABLE		CONDITION	15, 10 AV010
	STABLE	X		
INCOMPATABILITY			oxidan	ts (e.g., chromic acid, chlorine)
HAZARDOUS DECO	MPOSITION PRODUC		one	
HAZARDOUS	MAY OCCUP	₹ 		CONDITIONS TO AVOID
POLYMERIZATION	WILL NOT	CCUR	Х	
<u></u>				
				OR LEAK PROCEDURES
STEPS TO BE TAKE	N IN CASE MATERI	AL IS RELE	EASED OR S	Observe precautionary
information	from other	r secti	ions.	Cover the spill with an
		Clean u	ıp and	place into a metal container.
WASTE DISPOSAL N	летноо Dispos	se in a	accorda	nce with federal, state and
local regul	ations.			
	<b>-</b>		PECIAL P	ROTECTION INFORMATION
Not normal	y required	. NIOS	SH appr	oved organic vapor respirator.
VENTILATION	X			
	MECHANICAL (Ge.	neral) 	<u>-</u>	DTHER
PROTECTIVE GLOV	Imperviou	ıs glov	ves	Chemical splash goggles
OTHER PROTECTIV	E EQUIPMENT			
				CIAL PRECAUTIONS
Reep away	rom heat.	flame and	and oth	er sources of igniation. Avoid
		id eye	and sk	in contact.
OTHER PRECAUTIO	Keep ou	t of re	each of	children.
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