

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

9/86

SECTION I

MANUFACTURER'S NAME Photo Chemical Developments, Inc.		EMERGENCY TELEPHONE NO. 312-473-3334
ADDRESS (Number, Street, City, State, and ZIP Code) 1554 24th Street, North Chicago, Illinois 60064		
CHEMICAL NAME AND SYNONYMS Electrostatic Printing Plate Solution		TRADE NAME AND SYNONYMS Gestetner OEJ77 Electrostatic Plate Solution
CHEMICAL FAMILY Electrostatic Printing Plate Solution	FORMULA Proprietary Formulation	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Solution in water containing: 1. Sodium ferrocyanide				3	
2. Phosphoric Acid				< 5	mg/m ³
At the weakly acid pH of the solution, a small concentration of free cyanide ions forms (approx. 200p.p.m.)					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	>212°F	Only	SPECIFIC GRAVITY (H ₂ O=1)	1.10
VAPOR PRESSURE (mm Hg.)		volatile	PERCENT. VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		component	EVAPORATION RATE (_____ *1)	
SOLUBILITY IN WATER		is water.		
	Infinite		pH	4.30
APPEARANCE AND ODOR Light yellow-green liquid with faint cyanide odor				

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Let	Uet
EXTINGUISHING MEDIA Material is not flammable and will not support combustion.			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Not determined. When used with adequate ventilation, not considered hazardous.

EFFECTS OF OVEREXPOSURE

Vapors will cause eye irritation and may cause dizziness and headache.

EMERGENCY AND FIRST AID PROCEDURES

For skin contact, wash with plenty of cold water. For eye contact, irrigate immediately with large amounts of water. If swallowed, get medical attention immediately. Give milk and eggs. If large amounts breathed in, remove exposed person to fresh air at once and get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

CONDITIONS TO AVOID

Material is stable under normal conditions of use.

X Avoid heat, exposure to sunlight and mixing with acids.

INCOMPATIBILITY (Materials to avoid)

Heat, exposure to sunlight and mixing with acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Free cyanides when exposed to heat, sunlight or acids.

HAZARDOUS

POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush spill with large excess of cold water to sanitary sewer if practice is consistent with current federal, state, and local regulation.

WASTE DISPOSAL METHOD

Any method for ferrocyanides permitted by local authorities.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

None needed if used with adequate ventilation.

VENTILATION

LOCAL EXHAUST

Necessary

MECHANICAL (General)

SPECIAL

OTHER

PROTECTIVE GLOVES

Rubber or neoprene

EYE PROTECTION

Safety glasses recommended

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid repeated or prolonged breathing of vapors. Use adequate ventilation.

Store at temperatures below 80°F and out of sunlight

OTHER PRECAUTIONS

Do not drink.