

# Ink Pad/ Stamp

(Valid for Black, Red, Blue and Violet)

Revision Date: May 27, 2015

Supersedes: March 17, 2009

## SECTION 1: Identification of Substance and the Company /Undertaking

### Product Identifier

**Product Form:** Mixture

**Substance Name:** Pad/ Stamp Ink (Black, Red, Blue or Violet)

**CAS Number:** Not Established

**Formula:** Propriety

**Chemical Name:** Glycol Ink

**Synonyms:** Pad Ink, Stamp Ink

**Chemical Family:** Mixture of Glycols, Phosphates and Colorants

### Intended use of the Product

**Use of the Substance/Mixture:** Pad/ Stamp Ink

### Name, Address, and Telephone of the Responsible Party

**Manufacturer:** Millennium Marking Company  
2600 Greenleaf Avenue  
Elk Grove Village, IL 60007

**Emergency Phone Number:** CHEMTEL 1-800-453-5362 for Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident.

## SECTION 2: Hazards identification

### Classification of the Substance or Mixture

**GHS-US Classification:**

HEALTH		ENVIRONMENTAL		PHYSICAL
Acute Toxicity:	None Known	Acute Toxicity:	Category 1	None Known
Skin Corrosion:	None Known	Chronic Toxicity:	Category 1	
Skin Sensitization:	No Data Available			
Eye:	None Known			

### GHS-US Labeling

**Hazard Pictograms (GHS-US):**



**Signal Word (GHS-US):**

**WARNING**

**Hazard statements (GHS-US):**

H410: Very toxic to aquatic life with long lasting effects

**Precautionary statements (GHS-US):**

P273: Avoid release to the environment

P391: Collect Spillage

P501: Dispose of contents/container in accordance with national and international regulations

**Full text of risk-phrases: See Section 16**

**NFPA Ratings (Scale 0-4):**

Health = 1, Fire = 1, Reactivity = 0.

**HMIS Ratings (Scale 0-4):**

Health = 1, Fire =1, Reactivity = 0

### Substances

Chemical Family Name	CAS Number	%
Aryl Phosphate	89492-23-9	30 - 45 %
Mixed Glycols	116-46-4	10 - 20%
1, 4-Butanediol	000110-63-4	10 - 20%
Amides	68603-42-9	1 -5%

## SECTION 4: First Aid Measures

### Description of First Aid Measures

**First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**First-aid measures after skin contact:** Wash the affected area with waterless hand cleaner or warm soapy water.

**First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting.

### Most important symptoms and effects, both acute and delayed

**Symptoms/injuries:** Eye irritation.

**Symptoms/injuries after inhalation:** None Known

**Symptoms/injuries after eye contact:** Eye irritation.

**Symptoms/injuries after ingestion:** Ingestion may cause nausea, vomiting and diarrhea.

### Indication of any immediate medical attention and special treatment needed:

If medical advice is needed, have product container or label at hand.

## SECTION 5: Firefighting Measures

### Extinguishing Media

**Suitable Extinguishing Media:** Water Spray, Carbon Dioxide (CO<sub>2</sub>), or Class B

**Unsuitable extinguishing media:** None

**Combustion Products:** Carbon Dioxide, Water, Traces of PxOx

### Special hazards arising from the substance or mixture

**Fire hazard:** None known

**Explosion hazard:** Little or none temperatures up to 100 C

**Reactivity:** Stable

### Advice for firefighters

**Firefighting instructions:** Exercise caution when fighting any chemical fire.

**Protection during firefighting:** Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

**General measures:** Handle in accordance with good industrial hygiene and safety practice.

#### For Non-Emergency Personnel

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Evacuate unnecessary personnel.

#### For Emergency Responders

**Protective equipment:** Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Ventilate area.

### Environmental Precautions

Prevent entry to sewers and public waters.

### Methods and Material for Containment and Cleaning Up

**For Containment:** Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as; sawdust or cellulosic material.

**Methods for Cleaning Up:** Use absorbent material such as sawdust, cat litter or absorbent material. The remainder can be removed by using warm water and a good detergent with repeated applications. Some stains will remain from the colorants. This will eventually wear away. The application of household bleach will help.

**Reference to other sections:** See heading 8: Exposure Controls and Personal Protection.

## SECTION 7: Handling and Storage

### Precautions for Safe Handling

**Additional hazards when processed** None Known

**Precautions for safe handling:** Wear recommended personal protective equipment.

**Hygiene measures:** Do not eat, drink or smoke while using.

### Conditions for safe storage, including any incompatibilities

**Technical measures:** None Known

**Storage conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible products:** None Known

**Incompatible materials:** None Known

**Storage area:** Cool dry area.

**Special rules on packaging:** None Known

**Specific end use(s):** None Known

## SECTION 8: Exposure Controls/Personal Protection

### Control Parameters

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL	OSHA Ceiling
Aryl Phosphate	N/E	N/E	N/E	N/E	N/E

### Exposure Controls

Appropriate engineering controls

: Use in a well ventilated area.

Personal protective equipment

: Goggles and Gloves



Hand protection

: Wear gloves when handling. Colorants will stain skin.

Eye protection

: Chemical goggles or safety glasses as colorants will stain eye tissue and will remain stained for several days.

Skin and body protection

: Colorants will stain skin on contact.

Respiratory protection

: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Thermal hazard protection

: None Known

Other information

: While using, do not eat, drink or smoke.

## SECTION 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Dark Liquid / Various Colors
Color	: Various Colors
Odor	: Ink
Odor threshold	: None known
pH	: Not Established
Relative evaporation rate (butylacetate=1)	: Negligible
Melting point	: Not Established
Freezing point	: Not Established
Boiling point	: In Excess of 200°C
Flash Point	: In Excess of 200°C °
Auto-ignition temperature	: Not Established
Decomposition Temperature	: Not Established
Flammability (solid, gas)	: Not Established
Vapor pressure	: Not Established
Relative vapor density at 20 °C	: Not Established
Specific Gravity:	: 0.9 – 1.0 (8.35 pounds/gallon)
Density	: g/cm <sup>3</sup> (at 25 °C)
Solubility	: 90% Soluble
Log Pow	: Not Established

Log Kow	: Not Established
Viscosity, kinematic	: Not Established
Viscosity, dynamic	: 500 – 2000 cps (5 – 20 poise)
Explosive properties	There are no chemical groups associated with explosive properties present in the molecule
Oxidizing properties	The structure indicates non oxidizing properties

### Other information

**Dry Times:** On paper, cloth, cardboard: Instantly  
 On Aluminum Castings: Approximately 5 minutes  
 Does Not Dry on nonporous surfaces

## SECTION 10: Stability and Reactivity

**Reactivity:** Stable under recommended storage conditions

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** None Known

**Conditions to Avoid:** Exposure to moisture

**Incompatible Materials:** Strong oxidizers, strong acids and strong alkalis. It hydrolyzes slowly at normal temperatures in acidic or alkaline aqueous solutions

**Hazardous Decomposition Products:** Phosphorus oxides, Carbon dioxide and carbon monoxide

## SECTION 11: Toxicological information

### Information on toxicological effects

**Acute toxicity:**

<i>Aryl Phosphate</i>	
LD50 oral rat	>5,000 mg/kg
LD50 dermal rabbit	>2,000 mg/kg
LC50 inhalation rat (mg/l)	>0.4 mg/m <sup>3</sup>

**Skin corrosion/irritation:** Not Established

**Serious eye damage/irritation:** Not Established

**Respiratory or skin sensitization:** Not Established

**Germ cell mutagenicity:** No evidence of genotoxic or mutagenic activity was noted in Ames tests, the mouse lymphoma and chromosome aberration tests.

**Carcinogenicity:** Not classified by IARC, Not included in NTP 12th Report on Carcinogens, Not classified by OSHA

**Reproductive toxicity:** Not Established

**Teratogenicity:** Not teratogenic when administered orally up to 1000 mg/kg

**Neurotoxicity:** No signs of acute delayed neurotoxicity when administered orally to hens at 23g/kg

**Specific target organ toxicity (single exposure):** Not Established

**Specific target organ toxicity (repeated exposure):** Not Established

**Aspiration hazard:** Not Established

**Symptoms/injuries after inhalation:** Not Established

**Symptoms/injuries after eye contact:** Not Established

**Symptoms/injuries after ingestion:** Not Established

## SECTION 12: Ecological information

### Toxicity

<i>Aryl Phosphate</i>	
LC50 fishes	0.8 mg/l (Exposure time: 96h - Species: Ictalulus punctatus)
EC50 Daphnia	.0202 mg/l (Exposure time: 48 h - Species: Daphnia magna )

### Persistence and degradability

Chemical Family Name:	Aryl Phosphate
Biodegradation:	Readily Biodegradable
Bio accumulative potential:	The whole fish BCF was found to be 1850.
Mobility in soil:	Not Established
Other information:	Not considered to be PBT or VPvB

## SECTION 13: Disposal Considerations

### Waste Treatment Methods

**Regional legislation (waste):** U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII. U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents. U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards. U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring. AU.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics.

**Waste disposal recommendations:** Dispose of contents/container in accordance with local/regional/national/international regulations

## SECTION 14: Transport Information

<b>Proper Shipping Name:</b>	Not regulated for surface and air transport in non-bulk (<119 gallons) packagings. (Contains triphenyl phosphate which is a marine Pollutant per 49CFR 172.101 Appendix B)
<b>Hazard Class:</b>	None
<b>Secondary Risk:</b>	None
<b>Identification Number:</b>	None
<b>Packing Group:</b>	None
<b>Label Required:</b>	None
<b>Marine Pollutant:</b>	YES

## SECTION 15: Regulatory Information

### International Inventories

#### Based on Aryl Phosphates

<b>USA</b>	Reported in the EPA TSCA Inventory
- SARA 313	This product does not contain a chemical listed at or above de minimis concentrations.
- Massachusetts Right-to-Know Hazardous Substances list	Listed (Triphenyl phosphate)
- New Jersey Right-to-Know Hazardous Substances list	Listed (Triphenyl phosphate)
- Pennsylvania Right-to-Know Hazardous Substances list	Listed (Triphenyl phosphate)
- Rhode Island Right-to-Know Hazardous Substances list	Listed (Triphenyl phosphate)
- California-Prop 65	This product does not contain any ingredient known to the State of California to cause cancer or reproductive toxicity as listed under the State drinking Water and Toxic Enforcement Act of 1986.
- Waste Classifications	This material does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40CFR 261.33.
<b>Australia</b>	Listed in AICS
<b>Canada</b>	Listed in DSL
-WHMIS hazard class	Non-controlled
<b>China Inventory</b>	Listed in IECSC
<b>EU</b>	Reported in EINECS
<b>Japan</b>	Listed in ENCS
<b>Korea</b>	Listed in ECL
<b>New Zealand Inventory</b>	Listed in NZIoC
<b>Philippines</b>	Listed in PICCS

## SECTION 16: Other SECTION 16: Other information

**Precautionary Label Information:** None Known

**Ingredient Listings:** None Known

**Symbols:**

**Risk Phrases:** R-36/37/38: Irritating to eyes, respiratory system and skin

**Safety Phrases:** S-2: Keep out of reach of children.

S-29: Do not empty into drains.

S-24/25: Avoid contact with skin and eyes.

S-37: Wear suitable gloves.

**Other information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.  
All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).

**Specification Information:**

**Department issuing data sheet:** EHS, Millennium Marking Company

**Email Address:** chips@millmarking.com

**Training necessary:** Yes, training in practices and procedures contained in product literature.

**Reissue date / reason for reissue:** 5/27/2015 / Updated GHS Standard Format

**Intended Use of Product:** Pad Ink

*This product is intended for use by skilled individuals at their own risk. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*