

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 (CO₂), 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 ³ (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 ³

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

Proper Shipping Name:	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)
Hazard Class:	None
Secondary Risk:	None
Identification Number:	None
Packing Group:	None
Label Required:	None
Marine Pollutant:	YES

SECTION 15: Regulatory Information

International Inventories

Based on Aryl Phosphates

USA	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.
Australia	Listed in AICS
Canada	Listed in DSL
-WHMIS hazard class	Non-controlled
China Inventory	Listed in IECSC
EU	Reported in EINECS
Japan	Listed in ENCS
Korea	Listed in ECL
New Zealand Inventory	Listed in NZIoC
Philippines	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