SECTION 1: IDENTIFICATION

Product identifier	PFUMX / UMX Mixing System Plastisol Ink
Product code	PFUMX
Other means of identification	Phthalate-free PVC plastisol screen-printing ink.
Chemical type	Mixture - PVC plastisol (heat-cured)
Recommended use	Intermixable Pantone mixing bases and a mixing white for in-house PMS color matching.
Restrictions on use	For industrial and professional use only.
Manufacturer / supplier	Champion Inks 200 S. Newman Street, Unit 4 & 5, Hackensack, NJ 07601, USA
Telephone / web	+1 (302) 667-6096 - www.championinks.com - web@championinks.com
Emergency telephone (24-hr)	CHEMTREC - USA / Canada: +1-800-424-9300 - International: +1-703-527-3887 - Contract CCN863598

SECTION 2: HAZARD(S) IDENTIFICATION

OSHA HCS / GHS classification	Not classified as hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200) / GHS.
Signal word	None
Pictograms	None
Hazard statements	None.
Basis	The mixture does not meet the OSHA HCS / GHS classification criteria based on the available composition and hazard information. Ingredients are bound in a plastisol matrix; vapors are released only on heating during cure - provide ventilation during heat curing.
Precautionary (good practice)	P260 Do not breathe vapors during heat cure. P264 Wash thoroughly after handling. P280 Wear protective gloves and eye protection. P270 Do not eat, drink or smoke when using this product.
Response (good practice)	IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy; continue rinsing. If irritation persists, get medical advice/attention.
Hazards not otherwise classified (HNOC)	Thermal decomposition of PVC during overheating or overcuring can release hydrogen chloride (HCl) and carbon oxides. Cure within the recommended temperature range and provide ventilation.
Unknown acute toxicity	0% of the mixture consists of ingredients of unknown acute toxicity.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Wt %	GHS classification of component
Poly(vinyl chloride) dispersion resin	9002-86-2	40 - 65	Not classified
Titanium dioxide	13463-67-7	0 - 30	Not classified (IARC 2B for inhalable, unbound respirable dust only)
Dioctyl terephthalate (DOTP) plasticizer	6422-86-2	20 - 45	Not classified
Oxydiethylene dibenzoate (dibenzoate plasticizer)	120-55-8	1-5	Not classified
Pigments (non-leaded; identity varies by color)	Mixture / Trade secret	0 - 10	Not classified

Phthalate-free plastisol: the plasticizer is DOTP (dioctyl terephthalate, CAS 6422-86-2), a terephthalate - not an ortho-phthalate. DINP/DIDP are not used. All pigments are non-leaded. Specific proprietary identities and exact percentages are withheld as a trade secret in accordance with 29 CFR 1910.1200(i). The mixing white contains titanium dioxide; the individual mixing bases contain non-leaded pigments. This is a standard heat-cure mixing system; no foaming or expansion additive is used.

SECTION 4: FIRST-AID MEASURES

Inhalation	Not an expected route of exposure from the product as shipped. If fumes from overheating are inhaled, move the person to fresh air.
Skin contact	Wash with plenty of soap and water.
Eye contact	Rinse cautiously with water for several minutes; remove contact lenses if present and easy; continue rinsing. Get medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting. Get medical advice if a significant amount is swallowed.
Most important symptoms / effects	None expected from the product as shipped. Overheated product may release irritating hydrogen chloride fumes.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None.
Specific hazards arising from the chemical	Combustion or overheating of PVC releases hydrogen chloride (HCl) and carbon oxides.
Special protective equipment	NIOSH-approved self-contained breathing apparatus and full protective gear.
Flash point	Not applicable - not a flammable or combustible liquid (heat-cured plastisol paste; no flash point in the flammable range).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid slip hazard; wear gloves and eye protection.
Environmental precautions	Do not release to drains or waterways.
Methods for containment / cleanup	Scrape up and place in a labeled container; wipe residue.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid eye and skin contact. Do not overheat uncured ink (HCl fumes). Provide ventilation at the cure oven and flash. Stir before use.
Conditions for safe storage	Store at 65-90 deg F (18-32 deg C), cool and dry, away from direct sunlight; keep containers closed. Shelf life approximately 1-2 years. Do not freeze.
Incompatible materials	Strong oxidizers; excessive heat.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component (CAS)	OSHA PEL	ACGIH TLV	Notes
Poly (9002-86-2)	15 mg/m3 (total dust)	10 mg/m3	PVC particulate n.o.s.
Titanium dioxide (13463-67-7)	15 mg/m3 (total dust)	10 mg/m3	Titanium dioxide; bound
Dioctyl terephthalate (6422-86-2)	Not established	Not established	DOTP mist only
Oxydiethylene dibenzoate (120-55-8)	Not established	Not established	Dibenzoate ester

Engineering controls	General ventilation; local exhaust at the cure oven and flash to remove decomposition fumes.
Respiratory protection	Not required for the product as shipped; use exhaust ventilation for cure fumes.
Eye / face protection	Safety glasses.
Skin protection	Chemical-resistant (nitrile) gloves.
General hygiene	Wash hands after handling; do not eat, drink or smoke in work areas.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Physical state	Paste	Relative density	~ 1.1 - 1.6 (typical, color-dependent)
Color	Various (including a mixing white)	pH	Not applicable
Odor	Mild	Solubility in water	Insoluble
Flash point	Not applicable (not flammable)	VOC	Negligible
Flammability	Not flammable	Cure	Heat-cured 320-350 deg F (160-177 deg C)

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions of use.
Chemical stability	Stable.
Possibility of hazardous reactions	None under normal conditions of use.
Conditions to avoid	Overheating above the recommended cure temperature (HCl evolution).
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	Hydrogen chloride and carbon oxides on overheating or combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Skin and eye contact; inhalation of fumes only if overheated during cure.
Acute toxicity	Not classified. Ingredients are bound in a plastisol matrix.
Skin corrosion / irritation	Not classified; may cause mild mechanical irritation.
Serious eye damage / irritation	Not classified; may cause mild mechanical irritation.
Respiratory or skin sensitization	Not classified.
Carcinogenicity	Titanium dioxide is classified by IARC as Group 2B for inhalable, unbound respirable dust only; it is bound in this plastisol and does not present that exposure. No other component is classified as a carcinogen.
Reproductive toxicity / STOT / aspiration	Not classified.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No specific data. Properly cured ink forms a solid fused film; avoid release of uncured ink to the environment.
Persistence and degradability	PVC is not biodegradable.
Bioaccumulative potential	Not expected.
Mobility in soil	Immobile.
Other adverse effects	None known.

OSHA does not enforce the content of Sections 12-15, but they are required to maintain the GHS 16-section order.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	Determine waste classification at the time of disposal in accordance with applicable federal, state and local requirements. Properly cured ink is a solid fused film; evaluate the actual waste stream. Dispose of in accordance with regulations.
Contaminated packaging	Dispose of in accordance with regulations.

SECTION 14: TRANSPORT INFORMATION

US DOT	Not regulated as a dangerous good.
IATA / IMDG	Not regulated as a dangerous good.
Special precautions	None.

SECTION 15: REGULATORY INFORMATION

US TSCA inventory	All components of this product are listed on, or exempt from, the TSCA Inventory.
SARA 311/312 hazard categories	None; this product is not classified as hazardous.
SARA 313 (EPCRA)	This product does not contain components subject to the reporting requirements of SARA Title III, Section 313.
California Proposition 65	Titanium dioxide (airborne, unbound respirable dust) is listed under California Proposition 65; it is bound in this plastisol matrix, so no such exposure occurs from the product as sold or as printed and cured. No warning is required for the product as supplied.
Canada WHMIS	Not a controlled product; all components are on the DSL or exempt.
State Right-to-Know	Titanium dioxide may appear on the New Jersey, Pennsylvania and Massachusetts Right-to-Know lists.

SECTION 16: OTHER INFORMATION

Prepared by	Luis Uribe - Champion Inks (Regulatory / EHS)
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Version	1.0 - First issue under the Champion Inks brand. House format per OSHA HCS-2024 / GHS Rev. 7.
Revision history	Rev 1.0 (2026-11-24): First issue under the Champion Inks brand.

Disclaimer: The information herein is believed to be accurate and is provided in good faith but without warranty of any kind. It relates only to the specific product designated and may not be valid if used in combination with any other materials. The user is responsible for determining suitability and compliance with all applicable regulations. --- End of Safety Data Sheet