



MATSUI INTERNATIONAL CO. INC.

1501 WEST 178th STREET, GARDENA, CALIFORNIA 90248
(310) 767-7812 • (800) 359-5679 • FAX (310) 767-7836

PRODUCT DATA SHEET

PRODUCT IDENTIFICATION Photopia® Color W

GENERAL INFORMATION

Photopia® Color W is a microencapsulated light sensitive organic colorant that can be used to make an ink, paint, etc. that changes reversibly in the sunlight (or ultraviolet light).

PRODUCT SPECIFICATIONS

Photopia® will be colorless/lighter color indoors and change to a darker color outdoors

<u>Color</u>	<u>Appearance</u>	<u>Change in color</u>	<u>Wavelength</u>
Yellow 2W	Very light yellow powder	Colorless to Yellow	429 nm
Purple 3W	Very light purple powder	Colorless to Purple	578 nm
Blue 9W	Light green powder	Light Green to Blue	603 nm

USE

2-20% should be compounded into various kinds of ink, clay, slime resin, soft vinyl chloride, etc.

Melting point: Yellow 162-163°C (323.6-325.4F)
 Purple 237-238°C (458.6-460.4F)
 Blue 257-258°C (494.6-496.4F)

Toxicity:	<u>Mutagenicity</u>	<u>Acute Oral Toxicity LD50</u>	<u>Acute Dermal Toxicity LD50</u>
	(-)	> 2,000 mg / kg	> 2,000 mg / kg
	(-)	> 2,000 mg / kg	> 2,000 mg / kg
	(-)	>2,000 mg / kg	> 2,000 mg / kg

SHELF LIFE, STORAGE, SAFETY HANDLING

Shelf life : Almost unlimited

Storage : Store in a cool, dark place

Safety, handling : Wear dustproof mask, gloves, goggles

FOR SPECIFICS REFER TO MSDS