Material Safety Data Sheet

Fluorescent pigment Magenta

Product Code: PS-FL0194
Department: fluorescent pigments
C.A.S.: 26160-89-4, various dyes and pigments

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Section: 1 Identification

Product Name:	Fluorescent pigment Magenta
Recommended Uses:	thermoset fluorescent pigment use in inks, paints and coatings.

Section: 2 Hazard Identification

OTHER HAZARDS NOT OTHERWISE CLASSIFIED UNDER GHS - OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:
The resin in this product series contains less than 0.1% residual / free formaldehyde. Heat / fire conditions may cause the release of formaldehyde gas in excess of the OSHA action level of 0.5 ppm, pel of 0.75 ppm twa, and 15 minutes stel of 2 ppm twa. Formaldehyde is “carcinogenic to humans” according to iarc and an irritant.

HGS Label Elements

Signal Word

GHS Classification

Not regulated under SGH

Hazard Statements

No known significant effects or critical hazards.

Precautionary Statements

Prevention :none assigned under ghs
Response :none assigned under ghs
Storage :none assigned under ghs
Disposal :none assigned under ghs

Section: 3 Composition / Information on Ingredients

CHEMICAL COMPOSITION:	COMPONENTS:	CAS NO.	%
	All colors are colored benzoguanamine-formaldehyde resin primary PS-FL0188, PS-FL0192, PS-FL0194	26160-89-4	89-100
	Contain C.I. Basic red 1	989-38-8	1–1.5
	(This dye is reportable under sara title iii, section 313 rules at 1.0% concentration)		
	PS-FL0194 contains C.I. basic violet 10	81-88-9	5-10
	Other various dyes / pigments	not classified	0.1-10

Section: 4 First-Aid Measures

FIRST AID/ RESPONSE FIRST AID RESPONDERS SHOULD WEAR PERSONAL PROTECTIVE EQUPMENT

SKIN:	if on skin promptly wash off with soap & water. Remove contaminated clothing. Get medical advice/attention if irritation occurs. Wash contaminated clothing before reuse.
EYES:	if in eyes:rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if irritation occurs.
INHALATION:	if inhaled:remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice / attention if any adverse symptoms occur.
INGESTION:	if swallowed:rinse mouth with water, then drink water to dilute. Induce vomiting only under the direction of medical personnel. Never give anything by mouth if the victim is unconscious. Get medical attention if large quantity is ingested or if you feel unwell.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED
Inhalation of dust or processing fumes may cause respiratory irritation, mucous secretion or inflammation. Dust contact with skin or eyes may cause slight irritation. In some individuals prone to sensitivities, prolonged or repeated overexposure may cause dermatitis or respiratory sensitization.
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY
Call a poison center/doctor/physician if you feel unwell.

Section: 5 Fire-Fighting Measures

Suitable extinguishing media:	water: (x-as spray/fog) Foam: (x) co2: (x) dry chemical: (x) Do not use high pressure water jet.
Specific hazards in case of fire:	heat/ fire conditions will emit highly toxic, irritating and carcinogenic gases / fumes upon burning. Treat as a flammable dust in the finely divided and suspended state. Dust cloud formation from pigment powder may create a dust cloud explosion hazard.
Special protective equipment & Precaution for fire fighters:	in case of fire involving this material, do not enter the fire area without proper protective equipment including self-contained breathing apparatus.

Section: 6 Accidental Release Measures

Personal precautions:	wear full protective equipment (see section 8). Keep unprotected personnel out of the area. Keep away from high heat and all sources of ignition. Control pigment powder dust cloud formation to prevent possible dust/air explosion hazard.
Environmental precautions:	avoid release to sewers and the environment. Dispose of properly via licensed chemical waste hauler.
Methods and material for containment and clean up:	vacuum or scoop into a properly labelled container and seal. Avoid generating dust.

Section: 7 Handling And Storage

precautions for safe handling:	avoid breathing dust and contact with skin & eyes. wear full protective equipment (see section 8). use with adequate ventilation. avoid scattering into the air. avoid release to the sewer system. employ good housekeeping techniques to control dust build-up on equipment and work area. avoid dusting in areas of flame, sparks, & static buildup. properly ground processing / handling equipment. wash thoroughly after handling.
conditions for safe storage, including incompatibilities:	store in a sealed container in a cool, dry area.

Section: 8 Exposure Control/Personal Protection

Exposure limits:	
U.S. OSHA PEL:	0.5ppm action level; 0.75 ppm twa pel; 0.2 ppm stel for formaldehyde (as free formaldehyde)
U.S. ACGIH TLV:	0.3 ppm twa ceiling limit for formaldehyde (as free formaldehyde) If processing conditions have the potential to off-gas formaldehyde, follow the OSHA formaldehyde standard at 40cfr1910.1048
Appropriate engineering controls:	use local / mechanical exhaust to maintain air concentrations below occupational exposure standards (see above)
Personal protective equipment:	
Respiratory protection:	use NIOSH approved respirator suitable to meet permissible exposure limit. See U.S. OSHA respiratory standard (20 cfr 1910.134).
Hand protection:	use chemical resistant gloves (rubber, PVC)
Eye protection:	safety goggles or glasses with side shields or full face shield; access to an eyewash fountain
Other protective equipment:	lab coat; coveralls to protect skin; access to a safety drench shower.

Section: 9 Physical and Chemical Properties

Appearance:	Bright Colored Powder
Flammable limits:	
LEL & UEL:	(N/A)
Odor:	slight aldehyde odor
Possible vapor pressure (mm hg):	N/A
Odor threshold:	N/A
Vapor density (air=1):	N/A
Ph (10% in water):	4-6
Relative density/specific gravity:	1.3
Melting point / freezing point (°c):	decomposes at 150 (302ºf)
Solubility in water (@20°c):	insoluble
Boiling point (°c):	N/A
Partition coefficient (n-octanol/water):	no data available
Flash point (°f):	N/A
Auto ignition temp. (°c):	N/A
Evaporation rate:	N/A
Decomposition temp. :	150 (302ºF)
Flammability:	no data available
Viscosity:	N/A

Section: 10 Stability And Reactivity

Chemical stability:	stable when stored in sealed package under recommended storage conditions
Possibility of hazardous reactions:	hazardous polymerization will not occur
Conditions to avoid:	contact with incompatibles; high heat (>150°c or 300°f); dust in vicinity of ignition sources, electrical or spark generating equipment
Incompatible materials:	strong oxidizing agents
Hazardous decomposition products:	toxic fumes, smoke, oxides of carbon / nitrogen / sulfur and formaldehyde [irritating & carcinogenic]

Section: 11 Toxicological Information

Potential health effects:	
Routes of exposure:	skin, eyes, inhalation, ingestion
Skin, eyes, and inhalation:	inhalation of dust or processing fumes may cause respiratory irritation, mucous secretion, and inflammation. Dust contact with skin or eyes may cause slight irritation. .
Ingestion:	this route of exposure is not likely. No known effects.
Chronic:	in some individuals prone to sensitivities, prolonged or repeated overexposure may cause dermatitis or respiratory sensitization
Acute toxicity:	expected to be oral (rat) LD50:> 2000mg/kg; dermal(rat) LD50:>2000mg/kg - based on testing of similar products
Skin corrosion / irritation:	no test data available
Serious eye damage / irritation:	no test data available
Respiratory or skin sensitization:	no test data available
Germ cell mutagenicity:	no test data available

Carcinogenicity:

U.S. listed carcinogen: none ( ) OSHA (*) NTP (*) IARC (*) other (*)

*if formaldehyde is off-gassed: formaldehyde, CAS# 50-00-0 is listed as OSHA–ca: carcinogen defined with no further categorization NTP-k: known to be a human carcinogen; IARC-1: carcinogenic to humans
C.I. basic red 1 (rhodamine 6g based), CAS# 989-38-8 and C.I. basic violet 10 (Rhodamine b based) CAS#81-88-9: IACR-3: unclassifiable as to carcinogenicity in humans (see section 3 for colors containing these two dyes)

Reproductive toxicity:	no test data available
Specific target organ toxicity:	none known
Aspiration hazard:	no data available
Interactive effects:	may aggravate colds, respiratory allergies, skin disorders

Section: 12 Ecological Information

Ecotoxicity:	avoid release to the environment as this product series has not been tested
Toxicity - aquatic:	no test data available
Toxicity to daphnia:	no test data available
Toxicity - terrestrial:	no test data available
Persistence & degradability:	no test data available
Bioaccumulative potential:	no test data available
Mobility in soil:	no test data available
Other adverse effects:	no data available

Section: 13 Disposal Considerations

Disposal methods:	Dispose of contents / container in accordance with local, regional, national, international regulations. Dispose of in sealed containers, using a licensed chemical waste hauler.

Section: 14 Transport Information

By road or rail - U.S. d.o.t. regulated:	yes ( ) no (x)	Required:	(N/A)
If regulated, UN proper shipping name:	N/A	hazard class:	( )
UN identification no.:	( )	packing group:	( )
		label required:	( )
U.S. marine pollutant:	yes ( ) no (x)	severe U.S. marine pollutant:	yes ( ) no (x)
Emergency response guide no.:	( )		
Inland B/L:			
By sea - IMDG regulated:	yes ( ) no (x)	stowage category:	N/A
By air - IATA regulated:	yes ( ) no (x)	pkg instruction no.:	N/A
Special precautions:	read SDS before handling		

Section: 15 Regulatory Information

U.S. tsca:	We certify that all components of this product are registered under the regulations of the toxic substances control act.
U.S. sara title iii, sect. 313 :	listed (*) not listed ( )

*only PS-FL0188, PS-FL0192, PS-FL0194 are listed for C.I. basic red 1, CAS# 989-38-8, at 1-1.5% (see section 3)

U.S. rcra hazardous waste :	no (x) yes ()rcra # :()
U.S. cercla :	no (x) yes ()required (**)
U.S. california proposition 65 listed :	yes (x*) no ()
	*this product series contains a chemical known to the state of california to cause cancer: formaldehyde, cas# 50-00-0, at less than 0.1%.
HMIS:	health (1) flammability (1) reactivity (0)

Section: 16 Other Information

reference	manufacturer's material safety data sheet
prepared by	kama pigments
abbreviations / acronyms:	N/A=not applicable; LEL=lower explosion limit; UEL=upper explosion limit; PEL=permissible exposure limit; STEL=short term exposure limit; TLV=threshold limit value; TWA=time weighted average over 8 hour workday; LD50 or LC50=lethal dose or lethal concentration that kills 50% of dosed group; mg=milligram; g=gram; kg=kilogram; ppm=parts per million; m=meter; LOAEL=lowest observed adverse effect level; C.I.=colour index.

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Last revision: 2017-10-27