

# MATERIAL SAFETY DATA SHEET

According to OSHA Hazard Communication Standard (29 CFR 1910.1200)

CNMI Industrial Corporation

Date of revision: 09-August-2016

Previous edition: 19-March-2014

Trade Name: F Serious Fluorescent Pigments

## Section 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name Series Fluorescent Pigments  
Additional identification Not available  
Identification of the product See Section 3  
Index Number Not available

### 1.2 Relevant identified uses of the substance/mixture and uses advised against:

1.2.1 Identified uses Pigment  
1.2.2 Restrictions on use Not for food or feed

### 1.3 Details of the supplier of the safety data sheet:

Supplier(Manufacturer) CNMI Industrial Corporation  
Address 3rd Floor,Baijun Business Center,Building Material Road,Xisanqi District,Beijing 10096  
China.

1.4 Emergency telephone Number +0086-10-82462564 (Mon-Fri 08:00-17:00 Sat 08:00-15:00)

Email belaguo@icnmie.com

## Section 2 Hazards Identification

### 2.1 Classification of the substance/mixture

Non-hazardous. GHS Classification in accordance with 29 CFR 1910.1200

### 2.2 Label elements

This product is not classified. No special labelling requirements for this mixture.

2.3 Other hazards Hazards not otherwise classified (HNOC) Not applicable

2.4 Other information Not available

## Section 3 Composition/information on ingredients

Chemical characterization Mixture

### 3.1 Chemical composition

Polymeric tolunesulfonamide-melamine-formaldehyde resin with synthetic dyestuffs

Chemical name	CAS NO.	Concentration(%)
Tolunesulfonamide-melamine-formaldehyde resin	39277-28-6	>95%
Basic Red 1:1	3068-39-1	0.01~5%
3,6-Bis(diethylamino)-9-(2-(methoxycarbonyl)phenyl) xanthylium tetrachlorozincate	73398-89-7	
2-[7-(diethylamino)-2-oxo-2h-1-benzopyran-3-yl]-5-benzoxazolesulfonamide	68427-35-0	
Phthalocyanine Green	1328-53-6	
Phthalocyanine blue	147-14-8	
4-Methyl-7-(diethylamino)coumarin	91-44-1	

\*\*\*\*\*The exact concentration of composition has been withheld as a trade secret.\*\*\*\*\*

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## Section 4 First-aid measures

### 4.1 Description of first aid measures

**General information** Remove contaminated clothing

**4.2 Most important Symptoms and effects both acute and delayed** No particular symptoms or effects known

**4.3 After inhalation** Remove to fresh air. Treat symptoms. Consult a physician after considerable exposure

**4.4 After skin contact** Wash with water and soap

**4.5 After eyes contact** Flush with water while holding eye lid open. Consult a physician if irritation persists

**4.6 After swallowing** Rinse mouth. Do not induce vomiting. Consult a physician and empty stomach in cases of significant ingestion.

**4.7 Indication of any immediate medical attention and special treatment needed** No further relevant information available

## Section 5 Fire-fighting measures

**5.1 Suitable extinguishing media** Water spray, foam, dry powder, CO<sub>2</sub> which are appropriate to local circumstances

**5.2 Unsuitable extinguishing media** No special restrictions

**5.3 Special hazards arising from the substance or mixture** No hazards known

**5.3.1 Hazardous Combustion Products** Carbon oxides, Nitrogen oxides

### 5.3.2 Explosion Data

**Sensitivity to Mechanical Impact** None

**Sensitivity to Static Discharge** Fine dust may cause potential explosion in the presence of an ignition source

**5.4 Special fire fighting methods and special protective equipment/actions for firefighters** Fire-fighters should wear fully protective suit and self-contained respiratory protective device

## Section 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation.  
Avoid formation of dust.  
Keep away from ignition sources.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Avoid contact with eyes and skin.

**6.2 Environmental precautions** Avoid dust formation. Do not allow to enter sewers/ surface or ground water.

**6.3 Methods for Containment and Cleaning up** Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Prevent entry into waterways, sewers, basements or confined areas. Dispose contaminated material as waste according to Section 13. Ensure proper ventilation.

## Section 7 Handling and storage

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- 7.1 Precautions for safe handling** No special handling other than good hygienic practices as employed with any industrial chemical substance.
- 7.1.1 Advice on safe handling** Wear suitable protective clothing. Take precautionary measures to avoid static discharges
- 7.1.2 Advice on occupational hygiene measures** Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.
- 7.2 Information about protection against explosions and fires** Keep ignition sources away. Protect against static discharges
- 7.3 Conditions for safe storage, including any incompatibilities** Store tightly closed in cool and dry place and out of direct sunlight. Avoid dust formation explosion may be ignited by sparks.
- 7.4 Information about storage in one common storage facility** Keep away from foodstuffs, water or feeds. Store away from flammable substances.

## Section 8 Exposure controls and personal protection

- 8.1 Occupational Exposure Limits** No values determined
- 8.2 Appropriate engineering controls**
- Engineering Measures Showers, eyewash stations, ventilation systems.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work. See Section 7 for information about design of technical facilities.
- 8.3 Individual protection measures, such as personal protective equipment**
- 8.3.1 Breathing equipment** In case of brief exposure or low pollution use NIOSH/MSHA approved respiratory filter device. In case of intensive or longer exposure use NIOSH/MSHA approved respiratory device that is independent of circulating air.
- 8.3.2 Hand protection** Protective gloves in case of long time exposure
- 8.3.3 Eye/face protection** Tightly sealed goggles
- 8.3.4 Skin and body protection** Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate
- 8.3.5 Additional measures** Good hygienic practice as employed with any industrial chemical

## Section 9 Physical and chemical properties

### 9.1 General information

<b>Physical state</b>	Solid
<b>Appearance</b>	
<b>Form</b>	Fine powder
<b>Color</b>	Various colors
<b>Odor</b>	Slight aldehyde odor
<b>Odor threshold</b>	No available

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Property	Values	Remarks/Methods
PH value	Not applicable	
<b>Change in condition</b>		
Melting point/range	≥ 110 °C (softening)	
Freezing point	Not applicable	
Boiling point/range	Not applicable	
Flash point	Not available	
Flammability(solid, gaseous)	Not available	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
<b>Explosion limits</b>		
Lower	Not available	
Upper	Not available	
Vapor pressure	Not applicable	
Density	Not available	
Relative density	Not available	
Vapor density	Not available	
Evaporation rate	Not applicable	
Specific gravity	1.36 g/ml	
Oxidising properties	Not applicable	
Solubility in/Miscibility with water	Not soluble	
<b>Viscosity</b>		
Dynamic	Not available	
Kinematic	Not available	
Molecular Weight:	Not available	

## 9.2 Other information

Volatile organic compounds (VOC) content None

## Section 10 Stability and reactivity

- 10.1 Reactivity** No dangerous reaction known under conditions of normal use.
- 10.2 Stability** Stable under normal storage and handling conditions.
- 10.3 Conditions/materials to avoid** Excessive dust formation. Take precautionary measures against static discharges. Extreme heat
- 10.4 Possible hazardous reactions** No hazardous reactions known.
- 10.5 Incompatible materials** None known based on available information

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**10.6 Hazardous decomposition products** Fumes on burning contain oxides of carbon, nitrogen.

## Section 11 Toxicological information

### 11.1 Acute toxicity

<b>Numerical measures of toxicity:</b>	Production
LD50 Oral	LD50 Dermal
> 16,000 mg/kg (rat)	> 23,000 mg/kg (rat)

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	33,333.00 mg/kg
Mist	55.33 mg/l

Numerical measures of toxicity: Component information

### 11.2 Information on toxicological effects:

#### Primary irritant effect

##### Skin corrosion/irritation

<b>Product information</b>	Not a dermal irritant
<b>Component information</b>	Not available

##### Eye damage/irritation

<b>Product information</b>	Dust contact with eyes can lead to mechanical irritation. Outgassing of formaldehyde when heated can be irritating.
<b>Component information</b>	Not available

##### Respiratory or skin sensitisation

<b>Product information</b>	Small amount swallowed are not likely to cause injury. Not hazardous in normal industrial use.
<b>Component information</b>	Not available

##### Germ cell mutagenicity

<b>Product information</b>	Not available
<b>Component information</b>	Not available

##### Carcinogenicity:

This product contains less than 0.1% free formaldehyde and may outgas formaldehyde at levels over OSHA's Action Level under some conditions of use. Formaldehyde is a known cancer hazard. Long term exposure may result in dermatitis or respiratory sensitization for sensitive individuals.

##### Reproductive toxicity:

<b>Product information</b>	Not available
<b>Component information</b>	Not available
<b>STOT(Specific Target Organ Toxicity) single exposure</b>	Not available
<b>STOT(Specific Target Organ Toxicity)</b>	Not available

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repeated exposure

Other adverse effects

Target Organs Not available

Production information Not available

Component information Not available

Aspiration hazard:

Production information Not available

Component information Not available

## Section 12 Ecological information

### 12.1 Toxicity

Ecotoxicity <1% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Aquatic toxicity The product is insoluble in water.  
No negative effects to expect based on the present state of knowledge and experience.

12.2 Persistence and degradability Difficult to degrade

12.3 Bioaccumulative potential No accumulation to expect because the product is not soluble in water.

12.4 Mobility in soil: Low mobility, insoluble in water

12.5 Other adverse effects No relevant information available.

## Section 13 Disposal considerations

### 13.1 Waste Disposal Guidance

Waste treatment methods

Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system. The material is recommended to be disposed of by incineration in a chemical incinerator under controlled conditions with recuperation of energy in compliance with local/national regulations.

### 13.2 Uncleaned packagings

Recommendations The material is recommended to be disposed of by incineration in a chemical incinerator under controlled conditions with recuperation of energy in compliance with local/national regulations.

## Section 14 Transportation information

UN-number

DOT, IMDG, IATA Not regulated

UN Proper shipping name

DOT, IMDG, IATA Not regulated

Transport hazard Class Not regulated

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Packaging group Not regulated  
Environmental hazards Not applicable  
Special precautions for user Avoid dust formation  
Additional information Not available

## Section 15 Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

The product is NOT classified as hazardous substance/mixture according to 29 CFR 1910.1200

#### 15.1.1 U.S. Federal Regulations

**SARA (Superfund Amendments and Reauthorization Act of 1986)**

**Section 355 (extremely hazardous substances)** None of the components is listed.

**Section 313(Specific toxic chemical listings)**

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 – Threshold Values %
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C.I. Basic Violet 11:1	1.0
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**TSCA (Toxic Substances Control Act)** None of the components is listed

15.1.2 Pesticide information Not applicable

#### 15.1.3 U.S. State Regulations

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Proposition 65
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Formaldehyde	Carcinogen
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## 15.2 International Inventories

Components of this product are registered.

TSCA	Complies	United States Toxic Substances Control Act Section 8(b) Inventory
DSL	Complies	Canadian Domestic Substances List
EINECS	Complies	European Inventory of Existing Commercial Substances
ENCS	-	Japan Existing and New Chemical Substances
IECSC	Complies	China Inventory of Existing Chemical Substances
KECL	Complies	Korean Existing and Evaluated Chemical Substances
PICCS	Complies	Philippines Inventory of Chemicals and Chemical Substances
AICA	Complies	Australian Inventory of Chemical Substances
NZIoC	-	New Zealand Inventory of Chemicals

## Section 16 Other information

16.1

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NFPA Health Hazard 0 Flammability 1 Instability 1 Physical and chemical hazards -

HIMS Health Hazard 1 Flammability 1 Physical hazard 0 Personal protection X

16.2 Color index number There are no C.I. numbers/classes assigned to HX Series Fluorescent Pigments, but certain color components are.

### 16.3 Abbreviations and acronyms:

- CAS Chemical Abstracts Service, division of American Chemical Society
- LC50 Lethal concentration, 50 percent
- LD50 Lethal dose, 50 percent
- DOT U.S. Department of Transportation
- IMDG International Maritime Code for Dangerous Goods
- IATA International Air Transportation Association
- NFPA National Fire Protection Association
- HMIS Hazardous Materials Identification System
- NIOSH National Institute for Occupational Safety and Health
- GHS Globally armonized System of Classification and Labelling of Chemicals
- OSHA Occupational Safety and Health Administration of the US Department of Labor

16.3 Customer tariff number: 32041700

16.4 Training instructions: Not applicable.

16.5 Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

*The contents and format of this SDS are in accordance with 29 CFR 1910. 1200(g).*

Prepared By CNMI Industrial Corporation  
Regulative Affairs and Product Safety

Revision Date 09-Aug-2016

### Disclaimer

Before reading, complying and using with the information and precautions in the Technical Data Sheets, Material Safety Data Sheets, Certificates of Origin and other product literature, the information presented herein, while not guaranteed, was prepared and tested by technical personnel and, to the best of our knowledge and belief, is true and accurate as of the date hereof. No warranty, representation or guarantee, expressed or implied, can be made regarding accuracy, performance, stability, reliability or use. This information is not intended to be all-inclusive, because the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. The user is responsible for determining the suitability of any material for a specific purpose and for adopting such safety precautions as may be required. CNMI Industrial Corporation does not warrant the results to be obtained in using any material, and disclaims all liability with respect to the use, handling or further processing of any such material. No suggestion for use is intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patent, trademark or copyright or to violate any federal, state or local law or regulation.

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End of MSDS