



## QINGDAO SANHUAN COLORCHEM CO., LTD.

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### MATERIAL SAFETY DATA SHEET

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

##### Product identifier

**Trade name** Fluorescent Pigments SHS Series

**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 use: Pigment for mass coloration of coatings and inks

1.2.2 Restrictions on use: Not for food or feed

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

**Supplier(Manufacturer)** QINGDAO SANHUAN COLORCHEM CO., LTD.

**Address** ROOM 2301 BUILDING 4,PENGLINANHUA BUSINESS PLAZA,12 LIAOYANG EAST ROAD,QINGDAO,CHINA-266100

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#### 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	95~99.5%
Basic Red 1:1	3068-39-1	0.01%~0.99%
3,6-Bis(diethylamino)-9-(2-(methoxycarbonyl)phenyl) xanthylium tetrachlorozincate	73398-89-7	0~0.5%

\*\*\*\*\*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** No particular symptoms or effects known  
both acute and delayed

**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.



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### Section 7 Handling and storage

#### 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. Dust 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



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### Section 9 Physical and chemical properties

#### 9.1 General information

**Physical state** Solid

#### Appearance

**Form** Fine powder

**Color** Various colors

**Odor** Slight aldehyde odor

**Odor threshold** No available

**PH value** Not applicable

#### Change in condition

**Melting point/range** Not available

**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

#### Explosion limits

**Lower** Not available

**Upper** Not available

**Vapor pressure** Not available

**Density** Not available

**Relative density** Not available

**Vapor density** Not available

**Evaporation rate** Not available

**Specific gravity** Not available

**Oxidising properties** Not available

**Solubility in/Miscibility with water** Not soluble

#### Viscosity

**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

recessive 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

### 10.6 Hazardous decomposition products

Fumes on burning contain oxides of carbon, nitrogen.

## Section 11 Toxicological information

### 11.1 Acute toxicity

**Numerical measures of toxicity:**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

**Product information** Not a dermal irritant

**Component information** Not available

#### Eye damage/irritation

**Product information** Dust contact with eyes can lead to mechanical irritation. Outgassing of formaldehyde vapours when heated can be irritating

**Component information** Not available

#### Respiratory or skin sensitisation

**Product information** Small amount swallowed are not likely to cause injury.  
Not hazardous in normal industrial use

**Component information** Not available

#### Germ cell mutagenicity

**Product information** Not available

**Component information** Not available

#### Carcinogenicity:

This product contains less than 0.1% free formaldehyde and may outgassing 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:

**Product information** Not available

**Component information** Not available



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**STOT(Specific Target Organ Toxicity)** Not available

**single exposure**

**STOT(Specific Target Organ Toxicity) 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

**Packaging group** Not regulated

**Environmental hazards** Not applicable

**Special precautions for user** Avoid dust formation

**Additional information** Not available



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### 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

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

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

#### 16.2 Color index number

There are no C.I. numbers/classes assigned to *HP 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



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- 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 Harmonized 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 MSDS are in accordance with 29 CFR 1910. 1200(g).*

**Prepared By** QINGDAO SANHUAN COLORCHEM CO., LTD.  
Regulative Affairs and Product Safety

**Revision Date** 09-Aug-2016

## **NOTICE**

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