



Shanghai King Chemical Co.,Ltd

Tel: +86-21-67817854 Fax: +86-21-67817855

Address: ROOM CDEF , 9th Floor, Building D, Weijing Center Tower
NO.2337 GuDai Road, Minhang District, Shanghai, China

SAFETY DATA SHEET

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

1.1 Product identifier

Trade name 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 Prohibited for food or feed

1.3 Details of the supplier of the safety data sheet:

Supplier(Manufacturer) **Shanghai King Chemical Co.,Ltd**
Address ROOM CDEF , 9th Floor, Building D, Weijing Center Tower, NO.2337 GuDai Road , Minhang District, Shanghai, China 201199

1.4 Emergency telephone Number +86-21-67817854

Emai mike@shkingchem.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	
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 ₂ 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 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

Physical state	Solid
Appearance	
Form	Fine powder
Color	Various colors
Odor	Slight aldehyde odor



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Odor threshold	No available
Property	Values
PH value	Not applicable
Change in condition	
Melting point/range	110-125 °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
Explosion limits	
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	1.36g/cm ³
Oxidizing properties	Not applicable
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
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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.



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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 vapors 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 sensation for sensitive individuals.

Reproductive toxicity:

Product information	Not available
Component information	Not available
STOT(Specific Target Organ Toxicity) single exposure	Not available



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STOT(Specific Target Organ Toxicity) repeated exposure Not available

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

Eco-toxicity <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 %

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

Formaldehyde Carcinogen

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 ×

16.2 Color index number There are no C.I. numbers/classes assigned to 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

16.4 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 Huangshan Jiajia Fluoescent Material Co., Ltd
Regulative Affairs and Product Safety

Revision Date 15-May-2020

End of SDS