QINGDAO SANHUAN COLORCHEM CO., LTD.

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MATERIAL SAFETY DATA SHEET

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Fluorescent Pigment SHOP Series

Manufacturer Identification:

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Section 2 - HAZARDS IDENTIFICATION

Hazards Identification:

According to GHS. No data for classification.

Emergency Overview:

To the best of our knowledge, information and data, we have not yet known the health and environmental hazards.

Section 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	Content%	Hazardous
Fluorescent Pigment	98	No
Water	2	No

Section 4 - FIRST AID MEASURES

General advice:
Immediately remove contaminated clothing.
Skin contact:
Wash affected skin with soap and water.
Eye contact：
Wash affected eyes thoroughly under running water for at least 15 minutes with eyelids held open.
Inhalation：
If difficulties occur after dust has been inhaled: fresh air, seek medical advice.
Ingestion：
Rinse mouth and then drink plenty of water, seek medical advice.
Note to physician:
Treatment: treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5 - FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, foam, dry powder.

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Forbidden extinguishing media:
None.
Fire explosion hazards:
Difficult to ignite.
Specific hazards:
The substances/groups of substance mentioned can be released in case of fire.
Special protective equipment: Wear a self-contained breathing apparatus.
Further Information:
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:
Avoid dust formation. Use personal protective clothing.
Environmental precautions:
Contain contaminated water/firefighting water. Do not discharge into drains/surface water/groundwater.
Methods for cleaning up or Taking up:
For small amounts: pick up with suitable appliance and dispose of. Avoid raising dust.

Section 7 - HANDLING AND STORAGE

Handling:
Wear appropriate protective clothing and safety gloves. Do not breathe dust. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Mechanical exhaust required. Keep away from ignition sources, heat and flame.
Incompatibilities: strong oxidizing agents. No smoking at working site.
Storage:
Store in a cool, dry and well-ventilated area, keep away from ignition sources, heat and flame. Store in a tightly closed container.
Incompatibilities: strong oxidizing agents.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Components with workplace control parameters:
The general dust limit value is to be kept.
Personal protective equipment:

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Respiratory Protection:
suitable respiratory protection for lower concentrations or short-term effect: particle filter Type P2 or FFP2, (medium efficiency for solid and liquid particles e.g. EN143, 149)
Hand Protection:
Chemical resistant protective gloves(EN374)
e.g. nitrile rubber(0.4mm), chloroprene rubber(0.5mm), polyvinylchloride(0.7mm) and other supplementary note: The specifications are based on own tests, literature data and information of glove manufacturers or are derived from similar substance by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined in accordance with EN374. Manufacturer's directions for use should be observed because of great diversity of type.
Eye Protection:
Tightly fitting safety goggles (cage goggles)(EN 166) and face shield.
Body Protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN_EN 465).
General Safety And Hygiene Measures:
Handle in accordance with good industry hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder
Color: Various
Odor: None
Density/(g/cm3): 1.3
Packing density/(g/cm3): 0.5
Decomposition point/℃: 300-350
The average particle size/μm: 3~5
The particle shape: Sphere
PH value/(10g/l): 3.0-8.0
Covering power: Translucent/transparent
Flammability: Does not ignite
Solubility in water: Insoluble (15℃)

Section 10 - STABILITY AND REACTIVITY

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Stability:
Stable under normal temperatures and pressures
Materials to Avoid:
Strong oxidizing agents.
Hazardous Polymerization:
Will not occur
Hazardous Decomposition Products:
Carbon monoxide, Carbon dioxide, Nitrogen oxides, Formaldehyde.

Section 11 - TOXICOLOGICAL INFORMATION

LD50/Oral/Rat: >5000 mg/kg
The product has not been tested. The statement has been derived from the properties of the individual components.
Primary skin irritation:
Non corrosive. (Epiderm Corrosivity Test)
Primary irritations of the mucous membrane:
The substance does not have a risk of serious damage to eyes.(HET-CAM testing vitro)

Section 12 - ECOLOGICAL INFORMATION

Toxicity to fish:
Orientating study
Brachydanio rerio/LC50(96h):>100mg/l
Nominal concentration. The product has only low solubility in the test medium. An aqueous dispersion has been tested.
Aquatic invertebrates:
Screening test
Daphnia magnia/ec50(48h): 10-100mg/l
Nominal concentration. The product has low solubility in the test medium. An eluate has been tested.
Aquatic plants:
Desmodesmus subspicatus/EC10(72h):>100mg/l
Nominal concentration. The product has low solubility in the test medium. An eluate has been tested.
Additional information:
Other Eco toxicological advice: Do not discharge product into the environment without control.

Section 13 - DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of Substance:
Contact a licensed professional waste disposal service to dispose of this

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material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - TRANSPORT INFORMATION

RID/ADR:

Non-hazardous for transport

IATA:

Non-hazardous for air transport

IMO:

Non-hazardous for sea transport

This product is not classified as dangerous under the relevant EU directives and DOT regulations. Thus, it is

not hazardous under transport regulations.

Section 15 - REGULATORY INFORMATION

Regulations of the European Union(Labeling)/National legislation/regulations.

Classification not required.

Section 16 - ADDITIONAL INFORMATION

To the best of our knowledge, the information contained herein is accurate. However producer nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.