

Safety Data Sheet (No.453/2010 EU)

Trade name:ECOMAGIC Fluorescent Pigment Orange 12

Revision Date:2024.1.1



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

1.1 Product identifier

Trade name: ECOMAGIC Fluorescent Pigment Orange 12

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture of the product

Industry sector: Industrial Performance Chemicals

Paints, lacquers and varnishes industry

Polymers industry

Printing Inks Industry

Type of use: Colorant/organic pigment

1.3 Details of the supplier of the safety data sheet

Identification of the company

Zhejiang Yicheng Technology Co., Ltd
No. 19 Yulin Road,
Xinchang County, Shaoxing City, Zhejiang Province
Tel : 0086-18934585194
E-mail: 675362287@qq.com

Information about the substance/mixture

Technical Department Pigment Division
Tel: 0086-18934585194

1.4 Emergency telephone number

0086-15850235562(only available in working days)

Section 2: Hazards identification

2.1 Classification of the substance or mixture Classification according EC Directive (67/548/EEC)

Category of danger/Category	Hazard symbol	R-phrases
No dangerous	No dangerous components according to 2001/58/EC	---

2.2 Label elements

Labelling in accordance with EC-Directives

(67/548/EEC) Hazard warning labeling not compulsory

2.3 Other hazards

According to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment.

Section 3: Composition/information on ingredients

Product description: substance (); preparation/mixture (√)

Ingredient (s)	CAS number	% by weight
Stryrene-acrylate copolymer	25085-34-1	38.5
Basic Red 1: 1	3068-39-1	0.5
PG	57-55-6	10
Water	7732-18-5	51

Section 4: First-aid Measures

4.1 Description of first aid measures

General information

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Seek medical assistance if discomfort continues

After inhalation

Remove the casualty into fresh air and keep him calm.

After contact with skin

In case of contact with skin, clean with soap and water.

After contact with eyes

Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.

After ingestion

If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No symptoms known currently

Hazards

No hazards known at this time

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet
Dry powder Carb
on dioxide
Alcohol-resistant
foam Water jet

Extinguishing media that must not be used for safety reasons

None

5.2 Special hazards arising from the substance or mixture

In case of fires, hazardous combustion gases are formed:

Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighting

Use self-contained breathing apparatus

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.

6.2 Environmental precautions

Do not allow entry to drains, water courses or soil

6.3 Methods for cleaning up/taking up

Pick up with absorbent material (e.g. sand, kieselgur, acid binder)
When picked up, treat material as prescribed under heading "Disposal".

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6.4 Reference to other sections

Additional information

Do not let the liquid drain into rivers, ponds or sewer systems.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

When used and handled appropriately no special measures are needed.

Advice on protection against fire and explosion

Observe the general rules of industrial fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and conditions

No special measures required.

Advice on storage compatibility

Not required.

Further information on storage conditions

Keep container tightly closed

-sensitive to frost- in case of the product becoming opaque, thickening or being frozen due to the effects of cold, allow to thaw slowly at room temperature. Stir briefly before use.

Storage stability

Shelf life is limited in 2 years.

7.3 Specific end use(s)

No further recommendations.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limit values

Exposure limit values are not available.

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2 Exposure controls

General protective measures

Observe the usual precautions for handling chemicals.

Hygiene measures

Wash hands before breaks and after work.

Use barrier skin cream.

Remove soiled or soaked clothing immediately and clean thoroughly before using again.

Respiratory protection :

Not required

Protection necessary if aerosols or vapors should develop.

Hand protection :

Nitrile rubber gloves.

Minimum breakthrough time (glove): not determined

Minimum thickness (glove): not determined

Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements

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Eye protection : safety glasses
Body protection : working clothes

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state/shape: Liquid
Color: Orange
Smell: Not specified
pH value : 7.5-9.0 (25 °C)
Melting point (decomposition) : Not applicable
Flash point : Not applicable-aqueous solution without volatile components
Evaporationrate : Not tested
Flammability
Lower explosionlimit: Not available
Upper explosion limit:Combustionnumber : Not available
Vapour pressure : Nottested
Solubility in water : Miscible
n-Octanol/water partition coefficient (log Pow) : Not applicable
Self-ignition temperature : Nottested
Thermal decomposition : >100 °C With dehydration
Viscosity (dynamic) : <1000 mPa.s (D=60s⁻¹,25°C)
Viscosity (kinematic) : Not tested
Explosive properties : Explosive according to EU supply regulation: None
Oxidizingproperties: Not applicable

9.2 Other information

Density : 1.18 g/cm³ (20 °C)

Section 10: Stability and reactivity

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10.1 Reactivity

See section 10.3 “possibility of hazardous reactions”

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

When handled and stored appropriately no dangerous reactions are known

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Not known

10.6 Hazardous decomposition products

When handled and stored appropriately no dangerous decompositions are known

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity :	LD50> 2,000 mg/kg (rat) The product has not been tested. The information is derived from the properties of the individual components.
Skin irritation or corrosion :	non-irritant (rabbit)
Eye irritation or corrosion :	non-irritant (rabbit eye)
Respiratory or skin allergies :	non-sensitizing

Section 12: Ecological information

12.1 Toxicity

Fish toxicity :	Not available
Daphnia toxicity :	Not available
Algae toxicity :	Not available
Bacteriatotoxicity :	Not available
Toxicity to soil-dwelling organisms:	Not available
Toxicity to terrestrial organisms:	Not available
Toxicity to other environmentally relevant organisms:	Not available
Sediment toxicity:	Not available

12.2 Persistency and degradation

Physical-Chemical eliminability:	Not available
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Photo degradation:	Not available
Biodegradability :	Not tested.
Dissolved organic carbon(DOC):	Not applicable
Chemical oxygen demand(COD)	Not applicable
Biochemical oxygen demand(BOD):	Not applicable

12.3 Bioaccumulative potential

Bioaccumulative:	Not applicable
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12.4 Mobility in soil

Transport and distribution between environmental compartments :	No information is available on the mixture
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12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Additional ecotoxicological remarks

Do not allow to enter soil, waterways or wastewater

Section 13: Disposal considerations

13.1 Waste treatment methods

Products

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Uncleaned packaging

Packaging that cannot be cleaned should be disposed of as product waste

Section 14: Transport information

Section 14.1. to 14.5

IATA	not restricted
ADNR	not restricted
IMDG	not restricted
ADR	not restricted
RID	not restricted

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet

14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

No transport as bulk according IBC - Code

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Section 15: Regulatory information

15.1 Safety, health and environmental regulation/legislation for the substance or mixture

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety-, health- and environmental protection.

15.2 Chemical safety assessment

No Chemical Safety Assessment (CSA) is available for the substance, or for the component substances, contained in this product.

Section 16: Other information

Observational and local legal requirements

The data are based on the current state of our knowledge, and are intended to describe the product with regard to the requirements of safety. The data should not be taken to imply any guarantee of a particular or general specification. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm caused by the use of this information. In all cases, our general conditions of sale apply.