

Material Safety Data Sheet

Pigment Red 122

1. Identification

Product identifier used on the label

Pigment red 122

Recommended use of the chemical and restriction on use

Recommended use*: colouring component

Details of the supplier of the safety data sheet

Dongguan Baoxu Chemical Technology.,Ltd.

Caijin Business Bldg DongGuan CN 523071

+86 0769 22821082 Fax 86 0769 22821083

www.additivesforpolymer.com

info@additivesforpolymer.com

Emergency telephone number

Other means of identification

Chemical family: quinacridone pigment

2. Hazards Identification

According to Hazardous Products Regulations (HPR) (SOR/2015-17) Classification of the product

Combustible Dust Combustible Dust (1) Combustible Dust

Label elements

Signal Word:

Warning

Hazard Statement:

May form combustible dust concentration in air.

Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.

3. Composition / Information on Ingredients

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

| <u>CAS Number</u> | <u>Weight %</u> | <u>Chemical name</u> |
|-------------------|-----------------|----------------------|
| 980-26-7 | 100.0 % | Pigment Red 122 |

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Remove contaminated clothing. Wash thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: dry powder, foam

Unsuitable extinguishing media for safety reasons: carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

Special hazards arising from the substance or mixture

Hazards during fire-fighting: harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use personal protective clothing.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.

7. Handling and Storage

Precautions for safe handling

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

Dust can form an explosive mixture with air.

Conditions for safe storage, including any incompatibilities

8. Exposure Controls/Personal Protection

Personal protective equipment Respiratory protection:

Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Eye wash fountains and safety showers must be easily accessible.

9. Physical and Chemical Properties

| | | |
|------------------------|---|------------|
| Form: | powder | |
| Odour: | odourless | |
| Odour threshold: | No applicable information available. | |
| Colour: | red | |
| pH value: | approx. 8 (as suspension) | |
| Melting point: | > 450 °C | (DTA) |
| Boiling point: | not applicable | |
| Flash point: | not applicable, the product is a solid | |
| Flammability: | not highly flammable | |
| Lower explosion limit: | For solids not relevant for classification and labelling. | |
| Upper explosion limit: | For solids not relevant for classification and labelling. | |
| Vapour pressure: | not applicable, solid with a melting temperature over 300 °C | |
| Density: | 1.47 g/cm ³ (20 °C) | |
| Relative density: | approx. 1.47 (20 °C) | |
| Bulk density: | approx. 147 kg/m ³ (20 °C) | |
| Self-ignition | not self-igniting | |
| Thermal decomposition: | > 290 °C (VDI 2263. sheet 1. 1.4.1) | |
| Viscosity, dynamic: | not determined | |
| Particle size: | D50 3.8 (µm) | (measured) |
| Solubility in water: | insoluble | |
| Evaporation rate: | The product is a non-volatile solid. | |
| Other Information: | If necessary, information on other physical and chemical parameters is indicated in this section. | |

10. Stability and Reactivity**Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal. Formation of flammable gases: Remarks: Forms no flammable gases in the presence of water.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.

Conditions to avoid

Avoid dust formation. Avoid deposition of dust. Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge.

Incompatible materials

strong oxidizing agents, strong bases, strong acids

Hazardous decomposition products

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry Ingestion.

Skin

Inhalation.

Eyes

Acute Toxicity/Effects

Assessment other acute effects Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

Skin

Species: rabbit

Result: non-irritant Eye
Species: rabbit Result: non-irritant

Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Result: Non-sensitizing.

Aspiration Hazard No
aspiration hazard expected.

Chronic Toxicity/Effects

Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria.

Carcinogenicity

Assessment of carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.
The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Teratogenicity

Assessment of teratogenicity: No data available.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Toxicity to fish

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1, semistatic)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The details of the toxic effect relate to the nominal concentration. No toxic effects occur within the range of solubility.

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, semistatic)

Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia pulex (OECD Guideline 202, part 1, static)

The details of the toxic effect relate to the nominal concentration. No toxic effects occur within the range of solubility.

Aquatic plants

EC50 (72 h) > 10 mg/l (growth rate), *Desmodesmus subspicatus* (OECD Guideline 201, static)

Tested above maximum solubility. The details of the toxic effect relate to the nominal concentration.

Chronic toxicity to fish

No observed effect concentration (28 d) >= 10 mg/l, *Brachydanio rerio* (OECD Guideline 215, semistatic)

The details of the toxic effect relate to the nominal concentration. No toxic effects occur within the range of solubility.

Chronic toxicity to aquatic invertebrates

No observed effect concentration (21 d) > 1 mg/l, *Daphnia magna* (OECD Guideline 211, semistatic)

The details of the toxic effect relate to the nominal concentration. No toxic effects occur within the range of solubility.

The data refer to a preparation of the substance.

No observed effect concentration (28 d) 993 mg/kg sediment dw, aquatic worm (OECD 225, static)

Soil living organisms

Toxicity to soil dwelling organisms:

No observed effect concentration (14 d) 1,000 mg/kg, *Eisenia foetida* (OECD Guideline 207, artificial soil)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Toxicity to terrestrial plants Study does not need to be conducted.

Other terrestrial non-mammals Study does not need to be conducted.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

OECD Guideline 209 aerobic

activated sludge, domestic/EC0 (3 h): > 1,000 mg/l

Tested above maximum solubility. The details of the toxic effect relate to the nominal concentration.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Assessment of stability in water

According to structural properties, hydrolysis is not expected/probable.

Study technically not feasible.

Assessment photodegradation

After evaporation or exposure to the air, the product will be rapidly degraded by photochemical processes.

Bioaccumulative potential

Assessment bioaccumulation potential

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Bioaccumulation potential

Accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal considerations

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

The packaging must not be re-used. Recommend crushing, puncturing or other means to

14. Transport Information

Land transport

TDG

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

**15. Regulatory Information
Federal Regulations**

Registration status:

Chemical DSL, CA released / listed

Assessment of the hazard classes according to UN GHS criteria (most recent version):

16. Other Information

SDS Prepared by: