Material Safety Data Sheet
Pigment Red 57:1

1. Identification

Product identifier used on the label

Pigment Red 57;1

Recommended use of the chemical and restriction on use

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

Other means of identification

Chemical family: organic pigment

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200 Classification of the product

Aquatic Acute	3	Hazardous to the aquatic environment - acute
Combustible Dust	Combustible Dust (1)	Combustible Dust

Label elements

Signal Word:

Warning

Hazard Statement:

May form combustible dust concentration in air.

H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P273 Avoid release to the environment.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection

Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200 Emergency overview

CAUTION:

CAN FORM EXPLOSIVE DUST-AIR MIXTURES.

Refer to MSDS Section 7 for Dust Explosion information.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200 CAS Number Content (W/W) Chemical name

9007-13-0 >= 10.0 - < 15.0 % Resin acids and Rosin acids, calcium salts

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200 CAS Number Content (W/W) Chemical name

9007-13-0 >= 10.0 - < 15.0 % Resin acids and Rosin acids, calcium salts

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:**

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

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

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.
For large amounts: Contain with dust binding material and dispose of.
Avoid raising dust.

7. Handling and Storage

Precautions for safe handling
Breathing must be protected when large quantities are decanted without local exhaust ventilation. Closed containers should only be opened in well-ventilated areas.
Protection against fire and explosion:
Avoid dust formation. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

8. Exposure Controls/Personal Protection

Personal protective equipment Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.
Observe OSHA regulations for respirator use (29 CFR 1910.134).
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:
Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible.

Physical and Chemical Properties

Form:	powder	
Odour:	odourless	
Odour threshold:		not determined
Colour: pH value:	red	
Melting point:	approx. 7 > 300 °C	(as suspension)
Boiling point:		not applicable Study does not need to be conducted.
Flash point:		
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.
Autoignition:	460 °C	(BAM)
Vapour pressure:		not applicable
Relative density:		No data available.
Bulk density:	129 kg/m3	
Vapour density:		The product is a non-volatile solid.
Partitioning coefficient octanol/water (log Pow):		Study does not need to be conducted.
Self-ignition temperature:		not self-igniting
Thermal decomposition:	149 °C (VDI 2263, sheet 1, 1.4.1)	
Viscosity, dynamic:		Study does not need to be conducted.
Particle size:		No data available.
Solubility in water:		insoluble
Solubility (quantitative):		insoluble
Solubility (qualitative):	soluble solvent(s): organic solvents,	
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.

Oxidizing properties: not fire-propagating

Chemical stability

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

Possibility of hazardous reactions

Dust explosion hazard.

Conditions to avoid

Incompatible materials

strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products

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

Thermal decomposition:
149 °C (VDI 2263, sheet 1, 1.4.1)

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.

Acute Toxicity/Effects

Oral
Type of value: ATE Species: rat Value: > 5,000 mg/kg

Inhalation
Type of value: ATE Species: rat Value: > 5 mg/l Exposure time: 4 h Determined for dust

Dermal
Type of value: ATE Species: rat Value: > 5,000 mg/kg

Skin
Species: rabbit
Result: non-irritant
Method: OECD Guideline 404
The product has not been tested. The statement has been derived from the properties of the individual components.

Eye
Species: rabbit
Result: non-irritant
Method: OECD Guideline 405
The product has not been tested. The statement has been derived from the properties of the individual components.

Sensitization Species: guinea pig Result: Non-sensitizing.
Method: OECD Guideline 406
The product has not been tested. The statement has been derived from the properties of the individual components.

Aspiration Hazard not applicable

Chronic Toxicity/Effects

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.

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), Fish not determined

Aquatic invertebrates LC50 (48 h), daphnia not determined

Aquatic plants EC50 (72 h), algae not determined

Chronic toxicity to fish No data available.

Chronic toxicity to aquatic invertebrates No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms bacteria/EC50 (0.5 h): not determined

Persistence and degradability

Elimination information
Not readily biodegradable (by OECD criteria).

Mobility in soil

Assessment transport between environmental compartments
The substance will not evaporate into the atmosphere from the water surface.

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.

14. Transport Information

Land transport

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 TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Fire (Combustible Dust);

State regulations	CAS Number	Chemical name
State RTK	9007-13-0	Resin acids and Rosin acids, calcium salts

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating

16. Other Information