

Material Safety Data Sheet

Emergency phone: 86-571-83710101

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1. Chemical Identification:

C.I. Name: C.I.Pigment Blue 27

C.I. No.: 77510

CAS No.: 12240-15-2

Molecular formula: $(\text{NH}_4)_x\text{Fe}_y[\text{Fe}(\text{CN})_6]_z \cdot n\text{H}_2\text{O}$

Manufacturer: Hangzhou Jiekai Chemicals Co., Ltd.
Nanyang Development Zone, Xiaoshan,
Hangzhou, China P.C. 311200

Tel: 86-571-83710101

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2. Composition/ Information on Ingredients

Product Identification: P.B.27

Chemicals Name: MiroliBlue

Heavy Metal Content: Organic pigment doesn't contain any lead, cadmium, chromium(VI), mercury compounds, etc in their formulations. However, each grade of pigment contains heavy metals within limits permissible by regulations in various countries.

3. Hazards Identification

This substance is not considered to be a hazardous substance as defined under the OSHA hazard communication standard (29 CFR 1910.1200)

Non Hazardous to man and environment.

4. First Aid measurements

Inhaled : Remove victim to fresh air. Get medical attention.

Skin contact: Wash affected skin with soap and water.

Eye contact: Flush eyes with plenty of water. If irritation develops, Get medical attention.

Ingestion : If swallowed, Dilute with water.

If gastrointestinal symptoms develop, Get medical attention.

5. Fire fighting measures

Flammability Class: Not flammable

Extinguishing media: Water spray, Carbon dioxide, dry chemical powder or foam.

The following can be given off in a fire: Hydrogen Chloride can be formed when burning.

Special protective equipment: Self contained breathing apparatus plus full protective equipment recommended.

6. Accidental release measured

Personal precautions: Clean up with appropriate personal equipment (see section 8)

Environment precautions: Airborne pigment dust may be explosion hazard. Secure source of ignition and avoid raising dust. Ventilate area.

Methods of cleaning up: Take up mechanically, recommended by using dust collector, place in a bag and hold for disposal. Wash spill site after material pickup.

7. Handling and Storage

Handling: Avoid dust formation. If dust formation occurs, take precautionary measures against discharges.

Waste Disposal Method: Disposal of this material must be in accordance with Federal, State and Local regulations.

Storage: Keep packaging tightly closed and store in a dry and cool place with adequate ventilation.

8. Exposure Control/ Personal Protection

Respiratory Protection: Exhaust Ventilation, use dust mask when package is opened.

Hand Protection : Rubber Hand Gloves.

Eye Protection : Safety Goggles.

Body Protection : Impervious clothing.

Recommendations for personal protection are use in accordance with good industrial hygiene and safety practices.

9. Physical and Chemical Properties

Properties: Powder

Color: Blue

Odor: Odorless

Change in Physical State

Molecular Weight:

Specific Gravity (g/cm³ H₂O = 1) 1.5

Bulk density (lb/gal) 10.2-10.6

Melting Point(°C) 280

Average particle (nm) 0.04

Surface area (m²/g) 105

PH value 7

Oil absorption(g/100g) 45

Boiling Point /Boiling rang: Not Applicable

Explosion limits: No data available

Ignition Temperature: No data

Self Ignition Temperature: Nonflammable material

Vapour pressure: Not Applicable

Solubility in water: Insoluble

Solubility in other solvents: Insoluble in most of the solvents

PH value : 6-8

10. Stability and reactivity

Stability: Stable

Incompatibility: Avoid contact with strong oxidizing agents such as peroxide, chlorates, perchlorates, nitrates, and permanganates acids.

General: This product is stable compound under normal storage condition and hazardous polymerization will not occur.

11. Toxicological information

Product is non-irritant to skin and eyes.

12. Ecological information

The product is not very water soluble and therefore unlikely to be harmful to aquatic organisms.

13. Disposal Information

Consult local experts for advice on the disposal of this material. Waste disposal should be carried out according to local and state regulations.

14. Transport Information

| | |
|-----------------------------|---------------------|
| Road transport: | |
| ADR | Non-hazardous goods |
| RID | Non-hazardous goods |
| Inland waterways transport: | |
| ADNR | Non-hazardous goods |
| Marine transport: | |
| IMDG/UN | Non-hazardous goods |
| Air transport: | |
| ICAO/IATA-DGR | Non-hazardous goods |
| Dispatch by post: | Permitted |

15. Regulatory Information

Classified according to the Directives 67/548/EEC and 88/379/EEC, and their various amendments, and labeled as below:

| | |
|-----------------|------|
| Warning symbols | None |
| Warning words | None |
| Risk Phrases | None |
| Safety Phrases | None |

16. Other Information

The information contained herein is based on the present state of our knowledge. All data given are in good faith but no warranty, expressed or implied, is made.