

Material Safety Data Sheet

1. Identification of the Product and the Company

Common Name: Diketopyrrolopyrrole

C.I Name: **C.I. Pigment Red 254**

CAS NO: 84632-65-5

C.I.NO:12460

Chemical Formula: **C₂₂H₁₅C₁₂N₃O₄**

Manufacturer: HANGZHOU FANCHENG CHEMICAL CO.,LTD

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1. Composition/Information on Ingredients

CAS number	Product Name	Content
84632-65-5	Diketopyrrolopyrrole	100%

2. Hazards identification

Low hazard for usual industrial or commercial handling by trained personnel

3. First Aid Measures

Skin contact

Wash off with soap and plenty of water .Do not use organic solvents.

Eye contact

Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.

Inhalation

Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of

Indisposition, seek medical attention. In case of prolonged exposure, seek medical a attention.

Ingestion

Immediately give plenty (>500ml) of water (if possible charcoal slurry). Incase of spontaneous vomiting be sure that

Vomitus can freely drain due of danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be

Restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice.

4. Fire-Fighting Measures

Suitable extinguishing media

Water spray, carbon dioxide (co2), foam, Dry powder

Extinguishing meda which must not be used for safety reasons

High volume water jet

Exposure hazards

Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers, or

The ground water. Sufficient measures must be taken to retain water used for extinguishing.

Contaminated water and soil

Must be disposed of in conformity with local regulations.

Special protective equipment for firefighters

Wear full protective clothing. Wear self-contained breathing apparatus.

Hazardous decomposition products

Oxides of carbon, Oxides of nitrogen (NOX), Oxides of sulfur, Toxic gases/vapours

5. Accidental Release Measures

Personal precautions

Do not breathe vapors/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Environmental precautions

Do not flush into surface water, sanitary sewer or ground water system.

Methods for cleaning up

Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed

and properly labeled. Avoid dust formation.

6. Handling and Storage

Handling

Handle and open container with care. Avoid dust formation and ignition sources. Ensure good local exhaust ventilation.

Do not eat, drink or smoke at the workplace.

Storage

Keep away from food and drink. Store in the original container securely closed.

Protect from heat. Danger! Explosion risk. Risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions.

Empty only into earthed containers. If container is larger than 2000liter in volume, or when flammable solvents are

Present inert container or use a system otherwise designed to prevent or contain an explosion—seek expert advice.

7. Exposure Controls/Personal Protection

Exposure limit(s) value not tested

Technical measures/should be monitored using suitable analytical equipments.

Respiratory protection

Effective dust mask

Hand protection

Protective gloves

Eye protection

Suitable goggles or face protection
 Skin and body protection
 Working clothes, Closed footwear

8. Physical and Chemical properties

Form	powder
Colour	Red
Odor	odorless
Heat resistance	more than 300 °C
Boiling point/range	not tested
Density	1.6 g/cm ³
Oxidizing properature	not tested
Self-ignition temperature	not tested
Water solubility 20 °C	<1 mg/l
Vapor pressure 20 °C	206E-8pa
Partition coefficient; Log Pow 20 – 25 °C	>6
Ph-value 1% suspension in water 20-25 °C	602
Explosive properties	not tested

9. Stability and reactivity

Decomposition temperature	>350 °C
Conditions to avoid	Static discharges.
Materials to avoid	Strong acids, strong bases and Strong oxidizing agents.
Hazardous decomposition products	Oxides of carbon, Oxides of Nitrogen (Nox), Oxides of sulfur;
	Toxic gases/vapors

10. Toxicological Information

Acute oral toxicity	LD50	>2000mg/kg
Rat		
Acute dermal		not irritant
Irritation/corrosion		
Rabbit		
Acute eye irritation/corrosion		not irritant
Rabbit		
Acute skin sensitization		not irritant

11. Ecological Information

Acute toxicity to fish	96 h	LC50	>100mg/l
Acute toxicity to daphnia	24 h	EC50	>100mg/l
Acute toxicity to bacteria	3 h	IC50	>200mg/l
Acute toxicity to algae		EC50	not tested

Biodegradability not biodegradable
Ecotoxic effects Do not discharge product unmonitored into the environment.

12. Disposal considerations

Waste from residues/unused products

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.

Contaminated packaging

Contaminated packing material should be treated equivalent to residual chemical. Clean packaging material should be

Subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

13. Transport information

Flash point >350
ADR/RID Class: Free
IMO Class: Free
ICAO Class: Free

14. Regulatory Information

EC-Number 230-426-5
Contains Diketopyrrolopyrrole
Classification Self-classification
R—Phrase(s) R53 Zmay cause long9trem adverse effects in the aquatic environment.
S-Phrase(s) S61 Avoid release to the environment. Refer to special Instructions/MATERIAL SAFETY SHEETS.

15. Other Information

This product should be stored, handle and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements.it should not therefore be construed as guaranteeing specific properties.