QINGDAO SANHUAN COLORCHEM CO., LTD.

17 FLOOR, YUHENG BUILDING, NO.170 XUZHOU NORTH ROAD, QINGDAO, CHINA
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MATERIAL SAFETY DATA SHEET

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PIGMENT RED 264
Chemical Formula: $C_{30}H_{20}N_2O_2$
Molecular Weight: 440.49
CAS No.: 88949-33-1
Manufacturer Identification:
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Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content%	Hazardous
PIGMENT RED 264	88949-33-1	100	No

Section 3 - HAZARDS IDENTIFICATION

Not classified as dangerous substance according to Directive 67/548/EEC.

Section 4 - FIRST AID MEASURES

Contact with eyes : In case of contact with eyes, rinse immediately with plenty of water. If necessary, seek medical attention.
Contact with skin: Wash off with soap and plenty of water.
Inhalation: If difficulties occur, remove to fresh air and seek medical attention.
Ingestion: Rinse mouth. See medical attention immediately.

Section 5 - FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, chemical powder, foam.
Methods not suitable for safety reasons: Water jet
Special exposure hazards: Burning produces mainly Oxides of Carbon and Nitrogen. Hydrogen Chloride as well as other harmful gases and/or vapors are also possible. Do not breathe in.
Special protective equipment for fire-fighters: Self-contained breathing apparatus and protective suit.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid dust formation. Use dust mask and personal protective clothing
Environmental precautions: Prevent contamination of soil, drains and surface waters.
Methods for cleaning up : For small amounts: pick up with suitable appliance

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and dispose of.
For large amounts: contain with dust binding material and dispose of.
Avoid dust formation.

Section 7 - HANDLING AND STORAGE

Handling: As with all industrial chemicals, use good industrial practices when handling. Use with adequate local ventilation. Use absorption system when dust is produced.
Storage: Keep container tightly closed in a cool, well ventilated dry place.
Specific uses: Avoid dust formation. Risk of explosion if an air-dust mixture forms. Take precautionary measures against static discharges.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure limit values: Not determined
Engineering controls: Ensure adequate ventilation to minimize the build-up of dust
Personal protective equipment;
Respiratory protection: Wear a respirator type FFP2(EN149:2001)
Hand protection: Chemical resistance protective gloves.
Eye/face protection: Safety glasses with side-shields (frame goggles).
Skin protection: Suitable work clothes
Environmental Exposure controls: Use good industrial practices to prevent spillages. If any spillage,
contain and clean up immediately to avoid contaminate soil and surface water.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Chemical formula: C30H20N2O2
Molecular weight: 440
Appearance: Powder
Color: Red
Odor: Odorless.
pH value: 8~9 as suspension in water
Boiling point: Not applicable
Flash point: Not applicable
Melting point: >330 ℃
Flammability (solid, air): Not flammable
Dust explosion class: 1
Oxidizing properties: none
Auto ignition temperature: >400 ℃
Vapour pressure: Not applicable
Density: 1.38g/cm3 at 20 ℃
Solubility in water: < 0.1 g/l at 20℃
Partition coefficient : Not determined

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n-octanol/water
Viscosity: Not applicable

Section 10 - STABILITY AND REACTIVITY

Stability: Stable under normal conditions
Conditions to avoid: None
Shock sensitivity: Product is not explosive when subjected to mechanical impact
Friction sensibility: Product is not explosive when subjected to friction.
Materials to avoid: None
Hazardous decomposition product: No decomposition expected under normal storage conditions.

Section 11 - TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50>2000 mg/kg Species: Rat
Test method: Test Method: 84/449/EEC B.1.
Acute dermal toxicity: LD50: > 2000 mg/kg Species: Rat
Test Method: 84/449/EEC B.3.
Acute inhalation toxicity: Not determined
Eye irritation: Not determined
Skin irritation: non-irritating Species: Rabbit
Test Method: OECD404 (1981)
Skin sensitization: Not sensitizing Species: Guinea pig
Test Method: 84/449/EEC B.6.
Repeated dose toxicity: Not determined
CMR effects(carcinogenity, mutagenicity and toxicity for reproduction): No CMR effects observed.
Additional information: The product has not been tested. The statement on toxicology is based on the product in the market with the same chemistry.

Section 12 - ECOLOGICAL INFORMATION

Toxicity to fish: The product is insoluble in water. No adverse effects were observed on carp.
Toxicity to daphnia: The product is insoluble in water. No adverse effects were observed on daphnia magna
Toxicity to algae: The product is insoluble in water. No adverse effects were observed on algal growth
Sludge toxicity: The test article was not toxic to waste-water bacteria.
Biodegrade in aqueous systems: Non-biodegradable over 28 day test period
Environmental impact statement: Product is insoluble in water and does not pose a hazard to
the environment.
Additional information: The product has not been tested. The statement on ecotoxicology is based on the product in the market with the same chemistry.

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Section 13 - DISPOSAL CONSIDERATIONS

Residual/unused product: Can be dumped or incinerated in accordance with local regulations.

Contaminated packaging: Should be disposed of in the same way as the contents.

Recycling of packs: Uncontaminated packs are recommended to be reused.

Section 14 - TRANSPORT INFORMATION

Railway and road transportation: RID/ADR class: not regulated for this mode of transport.

UN-No.: free

Air transportation: IATA class: not regulated for this mode of transport.

UN-No.: free

Sea transportation: IMDG class: not regulated for this mode of transport.

UN-No.: free

Section 15 - REGULATORY INFORMATION

Declaration: Classification not required.

Section 16 - ADDITIONAL INFORMATION

This product must be stored, handled and used according to the Standards of hygiene and safety of good industrial practise and in conformity with the applicable legal standards.

The above data is based on present information and experence and is intended to describe the product from the point of view of safety requirement. It is not to be considered as a guarantee of specific properties.