

**Material Safety Data Sheet  
Pigment Red 48:3**

**1. Identification**

**Product identifier used on the label**

**Pigment Red 48:2**

**Recommended use of the chemical and restriction on use**

Recommended use\*: colouring component

Suitable for use in industrial sector: plastics processing industry

\* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Details of the supplier of the safety data sheet**

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**Emergency telephone number**

**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**

Combustible Dust                      Combustible Dust (1) Combustible Dust

No need for classification according to GHS criteria for this product.

**Label elements**

Signal

Word:

Hazard Statement:

May form combustible dust concentration in air.

### 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.

Use NIOSH approved respirator as needed to mitigate exposure.

Take precautionary measures against static discharges.

### 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**

92-70-6	>= 0.3 - < 1.0 %	2-Naphthalenecarboxylic acid, 3-hydroxy-
10277-04-0	>= 3.0 - < 5.0 %	9-Octadecenoic acid (Z)-, 2-[bis(2-hydroxyethyl)amino]ethyl ester

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

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
10277-04-0	>= 1.0 - <= 5.0 %	9-Octadecenoic acid (Z)-, 2-[bis(2-hydroxyethyl)amino]ethyl ester
6	>= 0.3 - <= 1.0 %	2-Naphthalenecarboxylic acid, 3-hydroxy-

### 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:**

Wash thoroughly with soap and water.

#### If in eyes:

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

#### 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. **Impact Sensitivity:**

Assessment: Product is not explosive when subjected to mechanical impact.

## **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.

## 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:

Handle in accordance with good industrial hygiene and safety practice. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Eye wash fountains and safety showers must be easily accessible.

## Physical and Chemical Properties

Form:	powder	
Odour:	odourless	not determined
Odour threshold:	s	(as suspension)
Colour: pH value:	red	not applicable
Melting point:		Study does not need to be conducted.
Boiling point:		
Flash point:	not flammable	
Flammability:		
Lower explosion limit:		For solids not relevant for classification and labelling.
Upper explosion limit:	420 °C	For solids not relevant for classification and labelling.

Vapour pressure:		
Relative density:		not applicable, solid with a melting temperature over 300 °C
Bulk density:		No data available.
Partitioning coefficient	181 kg/m <sup>3</sup>	
n-		Study does not need to be conducted
Self-ignition temperature:		not self-igniting
Viscosity, dynamic:		Study does not need to be conducted
Particle		No data available.
% volatiles:		none
Solubility in water:		insoluble
Solubility (quantitative)		insoluble not
Evaporation rate:		
Other	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

Formation of flammable gases: Start temperature: 220 °C

### Chemical stability

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

### Possibility of hazardous reactions

Dust explosion hazard.

### Conditions to avoid

Avoid electro-static discharge. Avoid sources of ignition.

### Incompatible materials

strong oxidizing agents, strong bases, strong acids

### Hazardous decomposition products

## 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**

Oral

Type of value: LD50 Species: rat Value: > 5,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

Inhalation

Type of value: LC50 not determined

Dermal

Type of value: LD50 not determined

Irritation / corrosion

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

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

Assessment of sensitization: No data available.

Species: guinea pig Result: Non-sensitizing.

Method: similar to 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.

Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction. The product has not been tested. The statement has been derived from the properties of the individual components.

Teratogenicity

Assessment of teratogenicity: No teratogenic effects reported.

Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

### **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. The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish LC50 (96 h), Fish not determined

Aquatic invertebrates

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

The product has not been tested. The statement has been derived from the properties of the individual components.

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

OECD Guideline 209 activated sludge/EC50 (3 h): > 100 mg/l

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O)

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

### **Bioaccumulative potential**

Assessment bioaccumulation potential

The product contains components with potential for bioaccumulation **Mobility in soil**

Assessment transport between environmental compartments

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

No data available.

### **Additional information**

Adsorbable organically-bound halogen (AOX):

The product contains according to the formulation, organically bound halogen. It can increase the AOX-value in the water purification plants overflow or if it reaches waters.

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.

#### **RCRA:**

Not a hazardous waste under RCRA (40 CFR 261).

### **14. Transport Information**

#### **Land transport**

USDOT

Not classified as a dangerous good under transport regulations

#### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

Not classified as a dangerous good under transport regulations



## 15. Regulatory Information

### VOC content:

none

### Federal Regulations Registration status:

Chemical TSCA, US released / listed

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

### NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

### HMIS III rating

## 16. Other Information

**SDS Prepared by: Dongguan Baoxu Chemical Technology.,Ltd.**