

# Safety Data Sheet

## Paliogen® Red L 3875

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(30547856/SDS\_GEN\_MX/EN)

### 1. Identification

#### Product identifier used on the label

### Paliogen® Red L 3875

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

Recommended use\*: pigment

Suitable for use in industrial sector: Paints, lacquers and varnishes 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

##### Company:

BASF Mexicana S.A. de C.V.

Av. Insurgentes Sur 975

Col. CD. De Los Deportes, C.P. 03710,

MEXICO

Telephone: +52 55 5325 2600

#### Emergency telephone number

Tel.: +1-800-849-5204 or +1-833-229-1000

CHEMTREC Int.: +1-703-527-3887

#### Other means of identification

Chemical family: perylene pigment

### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### Classification of the product

Eye Dam./Irrit.

2A

Serious eye damage/eye irritation

Combustible Dust

Combustible Dust (1)

Combustible Dust

#### Label elements

Pictogram:

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Signal Word:  
Warning

Hazard Statement:  
H319 Causes serious eye irritation.  
May form combustible dust concentration in air.

Precautionary Statements (Prevention):  
P280 Wear eye/face protection.  
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

### 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

WARNING:  
Causes eye irritation.  
Avoid inhalation of dusts.  
Use with local exhaust ventilation.  
Wear suitable protective clothing, gloves and eye/face protection.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u>                        |
|-------------------|----------------------|---------------------------------------------|
| 152165-12-3       | 1.0 - 5.0 %          | perylene-3,4-dicarboximide-9-sulphonic acid |

**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>                                                                  |
|-------------------|----------------------|---------------------------------------------------------------------------------------|
| 5521-31-3         | 85.0 - 95.0 %        | Anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)- tetrone, 2,9-dimethyl- |
| Trade Secret      | 5.0 - 10.0 %         | Rosin, polymerized                                                                    |
| 152165-12-3       | 1.0 - 5.0 %          | perylene-3,4-dicarboximide-9-sulphonic acid                                           |
| 7732-18-5         | 1.0 - 5.0 %          | Water                                                                                 |

## 4. First-Aid Measures

Description of first aid measures

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### General advice:

Immediately 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 affected areas thoroughly with soap and water. Seek medical attention.

### If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

## 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 known specific antidote. |
|------------|---------------------------------------------------------------------------------------------|

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## 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.

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### 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.

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### 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.

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### 8. Exposure Controls/Personal Protection

#### **Advice on system design:**

Provide local exhaust ventilation to control dust.

#### **Personal protective equipment**

##### **Respiratory protection:**

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

##### **Hand protection:**

Chemical resistant protective gloves

##### **Eye protection:**

Tightly fitting safety goggles (chemical goggles) and face shield.

##### **Body protection:**

Impermeable protective clothing

##### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation.

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Eye wash fountains and safety showers must be easily accessible. Wash soiled clothing immediately.

### 9. Physical and Chemical Properties

|                                                     |                                                                                                          |                                      |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------|
| Form:                                               | powder                                                                                                   |                                      |
| Odour:                                              | odourless                                                                                                |                                      |
| Odour threshold:                                    |                                                                                                          | not determined                       |
| Colour:                                             | red                                                                                                      |                                      |
| pH value:                                           | 2.5 - 5.5                                                                                                |                                      |
| Boiling point:                                      |                                                                                                          | not applicable                       |
| Flash point:                                        |                                                                                                          | not applicable                       |
| Lower explosion limit:                              |                                                                                                          | not determined                       |
| Upper explosion limit:                              |                                                                                                          | not determined                       |
| Autoignition:                                       |                                                                                                          | not determined                       |
| Vapour pressure:                                    |                                                                                                          | not applicable                       |
| Density:                                            | approx. 1.53 g/cm <sup>3</sup>                                                                           | ( 15 °C)                             |
| Relative density:                                   | approx. 1.53                                                                                             | ( 15 °C)                             |
| Bulk density:                                       | approx. 600 kg/m <sup>3</sup>                                                                            |                                      |
| Vapour density:                                     |                                                                                                          | The product is a non-volatile solid. |
| Partitioning coefficient n-octanol/water (log Pow): |                                                                                                          | not applicable                       |
| Self-ignition temperature:                          |                                                                                                          | not self-igniting                    |
| Thermal decomposition:                              | < 300 J/g Not a substance liable to self-decomposition according to UN transport regulations, class 4.1. |                                      |
| Viscosity, dynamic:                                 |                                                                                                          | Study does not need to be conducted. |
| Particle size:                                      |                                                                                                          | No data available.                   |
| Solubility in water:                                |                                                                                                          | slightly soluble                     |
| Solubility (quantitative):                          |                                                                                                          | insoluble                            |
| Evaporation rate:                                   |                                                                                                          | The product is a non-volatile solid. |

### 10. Stability and Reactivity

#### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

#### Chemical stability

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

#### Possibility of hazardous reactions

The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.

#### Conditions to avoid

Avoid humidity. Avoid dust formation. Avoid deposition of dust. See MSDS section 7 - Handling and storage.

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### Incompatible materials

No substances known that should be avoided.

### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

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## 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

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

#### 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.

#### Dermal

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

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

#### Assessment other acute effects

No data available.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to the skin. Irritating to eyes.

#### Skin

Species: rabbit

Result: non-irritant

Method: Draize test

#### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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No data available.

Aspiration Hazard  
not applicable

### Chronic Toxicity/Effects

Repeated dose toxicity  
Assessment of repeated dose toxicity: No data available.

Genetic toxicity  
Assessment of mutagenicity: The substance was not mutagenic in bacteria.

Carcinogenicity  
Assessment of carcinogenicity: No data was available concerning carcinogenic activity.

Reproductive toxicity  
Assessment of reproduction toxicity: No data available.

Teratogenicity  
Assessment of teratogenicity: No data available.

### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## 12. Ecological Information

### Toxicity

Aquatic toxicity  
Assessment of aquatic toxicity:  
At the present state of knowledge, no negative ecological effects are expected. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish  
LC50 (96 h) > 10,000 mg/l, *Leuciscus idus*  
The product has not been tested. The statement has been derived from the properties of the individual components.

Aquatic invertebrates  
EC50 (48 h) > 100 mg/l, *Daphnia magna* (static)  
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Tested above maximum solubility.

Aquatic plants  
EC50 (72 h), algae  
not determined

Chronic toxicity to fish  
No data available.

Chronic toxicity to aquatic invertebrates  
No data available.

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### Microorganisms/Effect on activated sludge

#### Toxicity to microorganisms

DIN 38412 Part 27 (draft) bacterium/EC50 (0.5 h): > 1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

### Persistence and degradability

#### Elimination information

50 - 100 % colour reduction (Static test) Easily eliminated from water.

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## 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.

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## 14. Transport Information

#### **Land transport**

TDG

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

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## 15. Regulatory Information

#### Federal Regulations

Not applicable

#### **NFPA Hazard codes:**

Health : 1      Fire: 1      Reactivity: 0      Special:

#### **HMIS III rating**



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Health: 1

Flammability: 1

Physical hazard: 0

### 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2015/02/13

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