



# SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product: Pearl Ex Pigments 670 Interference Red    Revision Date 5/6/2015    Version 1.0-2012

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

### 1.1 Product Identifier

**Trade name:** Pearl Ex Pigments 670 Interference Red

**Trade code:** KW120

**CAS number:** 12001-26-2/13463-67-7

### 1.2 Relevant identified uses of the substance/mixture and uses advised against

**Identified uses:** Coloring agent

### 1.3 Details of the supplier of the safety data sheet

**Company Name:** Rupert, Gibbon & Spider, Inc.

**Address:** 1147 Healdsburg Avenue, Healdsburg CA 95448

**Telephone:** 800-442-0455

**Email:** service@jacquardproducts.com

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

This substance is not classified as dangerous according to European Union Legislation.

### 2.2 Label elements

**Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:**

Properties / Symbols: S-phrase(s) 22    Do not breathe dust.

**EC regulation criteria 1272/2008 (CLP):**

Precautionary statements: P260 Do not breathe dust.

The product does not need to be labeled in accordance with EC directives or respective national laws.

### 2.3 Other hazards

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

| Ingredients      | Chemical Name    | CAS No.    | CI Name  | Weight in Percentage (%) |
|------------------|------------------|------------|----------|--------------------------|
| Mica             | Mica             | 12001-26-2 | CI 77019 | 43 ~ 60                  |
| TiO <sub>2</sub> | Titanium dioxide | 13463-67-7 | CI 77891 | 40 ~ 57                  |
|                  |                  |            |          |                          |
|                  |                  |            |          |                          |

No components that are liable to disclose according to Regulation (EC) No.1907/2006.



# SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product: Pearl Ex Pigments 670 Interference Red    Revision Date 5/6/2015    Version 1.0-2012

---

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**In case of skin contact:** Wash off with soap and plenty of water.

**In case of eyes contact:** Immediately flush with plenty of water about 15 minutes.

If discomfort persists, get medical aid.

**In case of Ingestion:** If victim is induce vomiting, give 2-4 cupfuls of water, get medical aid.

**In case of Inhalation:** Move person to fresh air. Consult doctor in the event of any complaints.

### 4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available.

---

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

For this substance/mixture no limitations of extinguishing agents are given.

### 5.2 Special hazards arising from the substance or mixture

Not combustible.

Ambient fire may liberate hazardous vapours.

### 5.3 Advice for fire-fighters

IN the event of fire, wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

---

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

### 6.2 Environmental precautions

Don't let product enter drains.

### 6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7.2 and 10.5).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### 6.4 Reference to other sections

See also section 8 and 13.

---

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

Prevent formation of dust



# SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product: Pearl Ex Pigments 670 Interference Red    Revision Date 5/6/2015    Version 1.0-2012

---

Any unavoidable deposit of dust must be regularly removed.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry, keep packages closed, location away from other material.

## 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific use are stipulated.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

### 8.2 Exposure controls

**Eye/face protection:** Safety glasses.

**Skin protection:**

Hand protection: Not required.

Body protection: Protective work clothing.

Other protection: Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

**Hygiene measures:** Change contaminated clothing. Wash hands after working with substance.

**Respiratory protection:**

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Thermal Hazards:** No information available.

**Environmental exposure controls:** Don't let product enter drains.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                |                              |
|--------------------------------|------------------------------|
| <b>Appearance:</b>             | Powder.                      |
| <b>colour:</b>                 | White reflection with luser. |
| <b>Odour:</b>                  | Odourless.                   |
| <b>Odour threshold:</b>        | No information available.    |
| <b>pH:</b>                     | 5 ~ 9 (10% aqueous slurry).  |
| <b>Melting point:</b>          | No information available.    |
| <b>Boiling point:</b>          | No information available.    |
| <b>Solid/gas flammability:</b> | No information available.    |
| <b>Lower explosive limit:</b>  | No information available.    |
| <b>Upper explosive limit:</b>  | No information available.    |
| <b>Vapour density:</b>         | No information available.    |
| <b>Flash point:</b>            | Not applicable.              |



# SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product: Pearl Ex Pigments 670 Interference Red      Revision Date 5/6/2015      Version 1.0-2012

---

|   |                               |
|---|-------------------------------|
| <b>Evaporation rate:</b>                            | No information available.     |
| <b>Vapour pressure:</b>                             | No information available.     |
| <b>Relative density:</b>                            | 2.4 ~ 3.0 g/cm <sup>3</sup> . |
| <b>Solubility in water:</b>                         | Insoluble.                    |
| <b>Lipid solubility:</b>                            | Insoluble.                    |
| <b>Partition coefficient<br/>(n-octanol/water):</b> | No information available.     |
| <b>Auto-ignition temperature:</b>                   | No information available.     |
| <b>Decomposition temperature:</b>                   | No information available.     |
| <b>Viscosity:</b>                                   | No information available.     |
| <b>Explosive properties:</b>                        | No information available.     |
| <b>Oxidizing properties:</b>                        | No information available.     |
| <b>9.2 Other information</b>                        |                               |
| <b>Bulk density:</b>                                | 15 ~ 21 g/100ml.              |
| <b>Particle size:</b>                               | 5-25 µm.                      |

---

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions(room temperature).

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Not known to date.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No information available.

---

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Aspiration hazard

Based on available data the classification criteria are not met.

#### Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

#### Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### 11.2 Other information



# SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Product: Pearl Ex Pigments 670 Interference Red    Revision Date 5/6/2015    Version 1.0-2012

---

Quantitative data on the toxicity of this product are not available.  
Hazardous properties cannot be excluded, but are relatively improbable due to the compound's poor water solubility.  
Our own experience has provided no indication of any hazardous potential.  
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

---

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### 12.6 Other adverse effects

Discharge into the environment must be avoided.

---

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Leave chemicals in original containers. No mixing with other waste.

Handle uncleaned containers like the product itself.

---

## 14. TRANSPORT INFORMATION

### 14.1 Land transport (ADR/RID/GGVSE)

Not classified as dangerous in the meaning of transport regulations.

### 14.2 Sea transport(IMDG-Code/GGVSee)

Not classified as dangerous in the meaning of transport regulations.

### 14.3 Air transport (ICAO-IATA/DGR)

Not classified as dangerous in the meaning of transport regulations.

### 14.4 Special Precautions for User

No information available.

### 14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

---



# **SAFETY DATA SHEET**

According to Regulation (EC) No.1907/2006

**Product: Pearl Ex Pigments 670 Interference Red    Revision Date 5/6/2015    Version 1.0-2012**

---

## **15. REGULATORY INFORMATION**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **EU regulations**

Major Accident Hazard Legislation: Directive 96/82/EC does not apply.

#### **National legislation**

Storage class: 10 – 13.

### **15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

---

## **16. OTHER INFORMATION**

### **16.1 Key or legend to abbreviations and acronyms used in the safety data sheet**

Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

### **16.2 Training advice**

Provide adequate information, instruction and training for operators.

### **16.3 Further information**

For more information contact product safety at

ZHEJIANG RUICHENG EFFECT PIGMENT CO., LTD

+86-577-63662878

---

**The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.**

**This SDS cancels and replaces any preceding release.**