Material Safety Data Sheet

According to Regulation (EC) No. 1907/2006 **Revision Date: Feb.18th, 2020** **Version: 1.0**

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: QC269 Pearl Interference

1.2 Relevant identified uses of the substance or mixture and uses advised against

Colorant. For more information, please connect with: info@chesir.vip.

1.3 Details of the supplier of the safety data sheet:

Company name: Guangxi Chesir Pearl Material Co.,Ltd.
No. 97 Yingbin Avenue, Huacheng Street, Huadu District, Guangzhou City, Guangdong Province (Yamai Building) ,510800,P.R.China

NO.380, Feilu Road (Pearl Material Industrial Park), Luzhai County
Liuzhou City, Guangxi, 545600, P.R.China
+ 86-20-86892123

Responsible Department: Marketing department and e-mail: info@chesir.vip

1.4 Emergency Telephone: + 86-20-86892123

SECTION 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

The product does not require a hazard warning label in accordance with EC Directives.

Labelling according to EC regulation 1272/2008 (CLP)

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

Labelling according to Directive 67/548/EEC or 1999/45/EC

Possible Hazards: No particular hazards known.

2.3 Other hazards

No specific dangers known, if the regulations/notes for storage and handling are considered.

SECTION 3. Composition/Information on Ingredients

3.1 Mixtures

Chemical nature: Compound. Mica coated with Titanium Dioxide.

Chemical name:	CAS No.	EINECS No.	% By Weight
Mica:	12001-26-2	310-127-6	62.0 ~ 71.0
Titanium Dioxide:	13463-67-7	236-675-5	29.0 ~ 38.0
Tin Oxide:	18282-10-5	242-159-0	< 1.0

Remarks: No dangerous ingredients according to Regulation (EC) No. 1907/2006

SECTION 4. First Aid Measures

4.1 Description of first aid measures

After inhalation: (large amounts of dusts) Fresh air. Consult doctor if feeling unwell.

In case of skin contact: Wash with plenty of water. Remove contaminated clothing.

After eye contact: Rinse out with plenty of water. Consult doctor if feeling unwell.

After swallowing: (large amounts) Rinse mouth. Consult doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

No description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5. Fire-Fighting Measure

5.1 Extinguishing Media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances.

Unsuitable extinguishing media: For this mixture no limitations of extinguishing agent are given.

5.2 Specific Hazards arising from the substance or mixture:

Not combustible. Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters:

Special protective equipment for fire fighters: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for no-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, consult an expert.

Advice for emergency responders: Protective equipment see section 8.

6.2 Environmental precautions

No special precautionary measures necessary.

6.3 Methods and material for containment and cleaning up

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

Observe possible material restrictions: See sections 7.2 and 10.5

6.4 Reference to other sections

Indications about waste treatment see section 13.

SECTION 7. Handling and Storage

7.1 Precautions for safe handing

Avoid dusts formation. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities:

Dry. Tightly closed. No temperature requirement of storage.

7.3 Specific end uses

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

SECTION 8. Exposure Controls/Personal Protection

8.1 Control Parameters

Components with workplace control parameters

Components	CAS No.	Limit Value	Remarks	
Mica	12001-26-2	TWA value 10 mg/m^3	Inhalable aerosol	COSHH OEL (GB)
		TWA value 0.8 mg/m^3	Respirable aerosol	COSHH OEL (GB)
Titanium Dioxide	13463-67-7	TWA value 10 mg/m^3	Inhalable aerosol	EH40 (UK)
		TWA value 4 mg/m^3	Respirable aerosol	EH40 (UK)
Tin Oxide	18282-10-5	TWA value 2 mg/m^3	Measured as: tin(Sn)	OEL (EU)
		TWA value 2 mg/m^3	Measured as: tin(Sn)	EH40 (UK)
		STEL value 4 mg/m^3	Measured as: tin(Sn)	EH40 (UK)

Recommended monitoring procedures

Correspond to the requirements of norms DIN EN 482 and DIN EN 689.

8.2 Exposure controls

Engineering measures Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. 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.

Individual protection measures: 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.

Hand protection: Plastic or rubber chemical resistant protective gloves (EN 374).

Eye Protection: Safety glasses (EN 166).

Respiratory Protection: Required when dusts are generated. Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. En143 or 149, Type P2 or FFP2).

Environmental exposure controls

Avoid generation and inhalation of dusts. Provide adequate ventilation.

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Form:	Off-white powder
Color:	Violet reflection with luster
Odor:	Odorless
Boiling point:	Not applicable
Melting point:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Does not ignite
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Vapour pressure:	Not applicable
Relative vapour density:	Not applicable
Water solubility:	Insoluble
Autoignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity, dynamic:	Not applicable
Explosive properties:	Not classified as explosive
Oxidizing properties:	Not applicable

9.2 Other data

Conductivity:	≤ 200 µs/cm (ISO787-14)
Particle size:	80% within the range 10 ~ 100µm(Malvern Laser Particle Size Analyzer)
Oil absorption:	50.0 ~ 90.0 g/100g (ISO787-5)

SECTION 10. Stability and Reactivity

10.1 Reactivity	No hazardous reactions if stored and handled as prescribed.
10.2 Chemical stability	This product is chemically stable under standard conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions when stored and handled according to instructions.
10.4 Conditions to avoid	Not known to date.
10.5 Incompatible materials	No substance know that should be avoided.
10.6 Hazardous decomposition products	No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Experimental/calculated date LD50 rat (oral): > 5,000 mg/kg

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

Irritation:

Skin corrosion/irritation rabbit Non-irritant

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

Serious eye damage/irritation rabbit Non-irritant

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

After inhalation:

Long-term inhalation may cause pulmonary densification.

Specific target organ toxicity – single exposure:

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

Specific target organ toxicity – repeated exposure:

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

Aspiration hazard:

Based on available data the classification criteria are not met.

11.2 Further information

Quantitative data on the toxicity of this product are not available.

SECTION 12. Ecological information

12.1 Toxicity

Assessment of aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected.

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

12.2 Persistence and degradability

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

12.3 Bioaccumulative potential

The product will not be readily bioavailable due to its consistency and insolubility in water.

12.4 Mobility in soil

No data 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

No ecological problems are to be expected when the product is handled and used with due care and attention.

SECTION 13. Disposal Considerations

Waste treatment methods

Product:

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.

Contaminated packaging:

Uncontaminated and intact packaging can be re-used. Handle un-cleaned containers like the product itself.

SECTION 14. Transport Information

Not classified as dangerous in the meaning of transport regulations. Such as Land, inland water, sea and air transport.

SECTION 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
	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.

SENTION 16. Other Information

Training advice:	Provide adequate information, instruction and training for operators.
Further information:	Please contact with:info@chesir.vip.

NOTICE TO READER:

To the best of our knowledge, the information mentioned above is accurate. But the final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards existing.

Please ensure that this information is passed to the professors who are capable of acting on it.