

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



50140 Pearl Luster Colibri IRIODIN® Sun-Gold

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Revised edition: 24.01.2012

Version: 3.4

Printed: 10.03.2015

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Pearl Luster Colibri IRIODIN® Sun-Gold

Article No.: 50140

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Coloring agent

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet Producer/Importer

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency & contact information

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008

This product is not classified as hazardous according to the CLP/GHS Directive.

Classification according to EC Regulation No. 67/548 or No. 1999/45

The material is not subject to classification according to EC lists.

Classification according to GHS

Classification according to EC Regulation 1272/2008

This product is not classified as hazardous according to the CLP/GHS Directive.

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2. \$. *ther +a,ards

No special hazards known.

3. Composition/Information on Ingredients

\$. 1. Substance

\$. 2. Mixture

Chemical Characterization: Mica laminated with titanium dioxide and iron oxide.

Hazardous Ingredients:

Additional information:

4. First Aid Measures

' 1. Description of the -irst .id Measures

General information:

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

After skin contact:

Wash with soap and rinse with plenty of water.

After eye contact:

Rinse open eyes with plenty of water. In case of discomfort seek medical help.

After ingestion:

Drink plenty of water. Get medical help in case of discomfort.

' 2. Most i " portant Sy " pto " s and %ffects/ both . cute and Delayed

Symptoms:

No further information available.

Effects:

No further information available.

' \$. Indication of any l " " ediate Medical . ttention and special 0reat " ent needed

Treatment:

No information available.

5. Fire-Fighting Measures

1. 1. %xtinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

None known.

1. 2. Special +a,ards arising fro " the Substance or Mixture

Special hazards:

Product is not flammable.

In case of fire: hazardous vapors may be released.

1. \$. . dvice for -irefighters

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Protective equipment:

Wear self-contained respiratory protective device.

Further information:

6. Accidental Release Measures

3. 1. Personal Precautions/ Protective Equipment and Emergency Procedures

Personal precautions:

Do not inhale dust.

Evacuate the danger area, observe emergency procedures, consult an expert.

3. 2. Environmental Precautions

Environmental precautions:

No special measures required.

3. 3. Methods and Material for Containment and Clean-up

Methods and material:

Take up mechanically and collect in suitable container for disposal. Rinse spill area. Avoid dust formation.

3. 4. Reference to other Sections

Dispose of contaminated material according to Section 13.

7. Handling and Storage

4. 1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust. Do not inhale dust.

Hygienic measures:

No special measures required.

4. 2. Conditions for Safe Storage/ including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry room.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

No special measures necessary.

Storage class (VCI):

10-13

Further Information:

4. 3. Specific End Uses

Further information:

See Section 1.2.; no other uses provided

8. Exposure Controls/Personal Protection

5. 1. Parameters to be Controlled

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Parameters to be controlled (DE):

TRGS 900

TLV: 3 mg/m³ air-borne fraction (general dust limit)

TWA: 10 mg/m³ general dust limit inhalable fraction.

Peak limit Category: 2 (II)

Iron(III) oxide (CAS 1309-37-1): TLV (TRGS 900): 3 mg/m³ (airborne dust), 10 ml/m³ (inhalable dust); 2(II)

Category II: substances with a resorptive effect.

Parameters to be controlled (EC):

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

5.2. %xposure (ontrols

Technical protective measures:

Technical protective measures have priority to personal protective measures.

Personal Protection

General protective measures:

Wash hands before breaks and after work.

Respiratory protection:

Dust mask recommended when very dusty (with particle filter P1).

Hand protection:

Not required

Protective glove material:

Eye protection:

Recommended (EN 166).

Body protection:

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

7.1. Information on Basic Physical and Chemical Properties

Form: solid

Color: yellow

Odor: odorless

Odor threshold:

No information available.

pH-Value:

not available

Melting temperature:

not available

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Boiling temperature:

not available

Flash point:

not applicable

Evaporation rate:

No information available.

Flammability (solid, gas):

not available

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not applicable

Vapor density:

No information available.

Density:

3.0 g/m³ (20°C)

Solubility in water:

insoluble (20°C)

*Coefficient of variation (n-
Octanol/Water):*

no information available

Auto-ignition temperature:

No information available.

Decomposition temperature:

No data available.

Viscosity, dynamic:

not available

Explosive properties:

Product is not explosive.

Oxidizing properties:

No information available.

Bulk density:

ca. 400 kg/m³

7.2. -urther Infor" ation

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

5 - 100 µm

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Other information:

10. Stability and Reactivity

18.1. Reactivity
Stable if used according to specifications.

18.2. (he " ical Stability
Stable at room temperature.

18.\$ Possibility of +a,ardous Reactions
No information available.

18.' (onditions to .void
Conditions to avoid:
No further information available.

Thermal decomposition:
No data available.

18.1. l " co " patible Materials
No information available.

18.3. +a,ardous Deco " position Products
None known.

18.4. -urther Infor " ation

11. Toxicological Information

11. 1. Infor " ation on 0oxicological %ffects

Acute Toxicity

LD50, oral:
Not testable. All test animals (rat) survived 15 000 mg/kg.

LD50, dermal:
No information available.

LC50, inhalation:
4.6 - 14.9 mg/l air (male animals; Rat); >14.9 mg/l air (female animals)

Primary effects

Irritant effect on skin:
Non irritating (rabbit)

Irritant effect on eyes:
Non-irritating to eyes (rabbit)

Inhalation:
No information available.

Ingestion:
No information available

Sensitization:
No sensitizing effect (guinea pig).

Mutagenicity:
No data available.

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Reproductive toxicity:

No data available.

Cancerogenity:

No data available.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: the substance or mixture is not classified as specific target organ toxicant.

Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.

Additional toxicological information:

The animals studies carried out with pigments similiar to this product did not show any significant negative results.

No systemic effects expected due to its poor resorption.

Avoid inhalation of dust. Even inert dusts can impair the function of the respiratory system.

Subchronic toxicity: no negative results up to 50000 ppm (rat).

Chronic toxicity: no toxikological or cancerogenic effects observed in a food study over a period of 2.5 years by the addition of 5% of the product (rat).

12. Ecological Information

12. 1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12. 2. Persistence and Degradability

No information available.

12. 3. Bioaccumulation

No information available.

12. 4. Mobility

No information available.

12. 5. Results of PBT/vPvB Assessment

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

12. 6. Other adverse effects

Water hazard class:

Not hazardous.

Behaviour in sewage systems:

Further ecological effects:

When used properly, no ecological problems expected.

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AOX Value:

13. Disposal Considerations

1.1. : aste 0reat " ent Methods

Product:

*Dispose of according to official national and local regulations.
Do not mix with other waste.*

European Waste Code (EWC):

Uncleaned packaging:

Packaging may be disposed of in the same manner as the product.

Waste Code No.:

14. Transport Information

1.1. U& &u " ber

ADR, IMDG, IATA

1.2. U& Proper Shipping &a " e

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

1.3. 0ransport +a,ard (lasses

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

1.4. Pac;aging <roup

ADR/RID:

not applicable

IMDG:

IATA:

1.5. %nviron " ental +a,ards

None

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11.3. Special Precautions for User

Not classified as a dangerous good under transport regulations.

11.4. Transportation in 6ul; according to Annex II of M. RP*) 4§!45 and I6 (9 (ode

not applicable

11.5. Further Information

15. Regulatory Information

11.1. Safety/ Health and Environmental Regulations/ Legislation specific for the Substance or Mixture

Water hazard class:

0, not hazardous

Local regulations on chemical accidents:

EC-Regulation 96/82 does not apply (2003).

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

11.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

11.5. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.