

Material Safety Data Sheet

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



56600 Phosphorescent Pigment Green in Acrylic Dispersion

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Revised edition: 04.09.2013

Version: 1

Printed: 08.03.2016

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

1.1. Product Identifier

Product Name: Phosphorescent Pigment Green in Acrylic Dispersion

Article No.: 56600

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

Identified uses:

Ready-to-use acrylic paint, for indoor use

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 No.

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 does not require classification and labelling as hazardous according to CLP/GHS.

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

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

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC Regulation 1272/2008

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

Other Hazards

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2.3. *Contains 1,2-Benzisothiazol-3(2H)-one: can cause allergic reactions.*

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

This produkt is a mxiture.

Chemical Characterization:

*Phosphorescent pigment in acrylic dispersion
Phosphorescent Pigment Green: CAS No. 68611-70-1, EINECS
271-904-2 (REACH Reg. No. 01-2119978290-33-0000)*

Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air.

After skin contact:

Wash off with plenty of water and soap. Consult a physician if irritation persists.

After eye contact:

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

After ingestion:

Rinse mouth with water and give plenty of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No further information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

None known.

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5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Material can splatter above 100°C/212°F. Dried product can burn.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and protective clothing.

Further information:

Thermal decomposition may yield acrylic monomers.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear appropriate protective equipment. Keep spectators away. Floor may be slippery; use care to avoid falling.

6.2. Environmental Precautions

Environmental precautions:

Caution: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (e.g. sand, acid binder, universal binder, sawdust) and collect in appropriate containers for disposal.

6.4. Reference to other Sections

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid contact with eyes, skin and clothing. Do not breathe vapors, spray or gas.

Hygienic measures:

Wash hands at the end of work. Preventive skin protection recommended.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in closed container and keep product dry. Keep from freezing; material may coagulate. Stir well before use.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Monomer vapors may be evolved when material is heated during next page: 4

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processing operations.

Storage class (VCI):

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

No exposure limits for this product.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Use local exhaust ventilation in case of dust and/or fume formation.

Facilities storing or utilizing this material should be equipped with an eyewash facility.

Personal Protection

General protective measures:

Remove contaminated clothing. Wash hands after work.

Respiratory protection:

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Neoprene (> 480 min).

Eye protection:

Safety glasses with protective shields (EN 166).

Chemical splash goggles (ANSI Z87,1 or approved equivalent).

Body protection:

Environmental precautions:

Prevent from getting into the soil, surface water and sewage system.

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9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form:	<i>viscous</i>
Color:	<i>yellowish-green</i>
Odor:	<i>acrylic</i>
Odor threshold:	<i>No information available.</i>
pH-Value:	<i>8.5 - 9.5 (Acrylic dispersion)</i>
Melting temperature:	<i>not available</i>
Boiling temperature:	<i>100°C (Acrylic dispersion)</i>
Flash point:	<i>not available</i>
Evaporation rate:	
Flammability (solid, gas):	<i>not available</i>
Upper explosion limit:	<i>not determined</i>
Lower explosion limit:	<i>not determined</i>
Vapor pressure:	<i>not determined</i>
Vapor density:	
Density:	<i>1.0-1.2 g/cm³ (Acrylic disp.)</i>
Solubility in water:	<i>dilutable</i>
Coefficient of variation (n-Octanol/Water):	<i>no information available</i>
Auto-ignition temperature:	<i>No information available.</i>
Decomposition temperature:	<i>No data available.</i>
Viscosity, dynamic:	<i>viscous</i>
Explosive properties:	<i>not available</i>
Oxidizing properties:	<i>No information available.</i>
Bulk density:	

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9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

No information available.

10.2. Chemical Stability

None known.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

Thermal decomposition may yield acrylic monomers.

10.5. Incompatible Materials

There are no known products which are incompatible with this product.

10.6. Hazardous Decomposition Products

No information available.

10.7. Further Information

The data is based on the acrylic dispersion.

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Phosphorescent pigment green: LD50: > 2000 mg/kg (rat)

Acrylic dispersion: LC50: > 5000 mg/kg (rat)

LD50, dermal:

Phosphorescent pigment green: LD50: > 2000 mg/kg (rat)

Acrylic dispersion: LD50: > 5000 mg/kg (rat)

LC50, inhalation:

Phosphorescent pigment green: LC50: 5.41 mg/m³ (rat)

Primary effects

Irritant effect on skin:

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	<i>Acrylic dispersion:</i> <i>Slight irritant effect possible (rabbit)</i>
<i>Irritant effect on eyes:</i>	<i>Acrylic dispersion:</i> <i>Non-irritating to eyes (rabbit)</i>
<i>Inhalation:</i>	<i>No information available.</i>
<i>Ingestion:</i>	<i>No information available</i>
<i>Sensitization:</i>	<i>No information available.</i>
<i>Mutagenicity:</i>	<i>No data available.</i>
<i>Reproductive toxicity:</i>	<i>No data available.</i>
<i>Cancerogenity:</i>	<i>No data available.</i>
<i>Teratogenicity:</i>	<i>No information available.</i>
<i>Specific target organ toxicity (STOT):</i>	<i>No data available.</i>
<i>Additional toxicological information:</i>	<i>Aspiration hazard: not applicable</i>

12. Ecological Information

12.1. Aquatic Toxicity

<i>Fish toxicity:</i>	<i>No data available.</i>
<i>Daphnia toxicity:</i>	<i>No information available.</i>
<i>Bacteria toxicity:</i>	<i>no information available</i>
<i>Algae toxicity:</i>	<i>No information available.</i>

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

This product is neither a PBT or vPvB substance nor does it

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contain a PBT or vPvB substance.

12. 6. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

Further ecological effects:

No ecological problems expected.

No ecological data available.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

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not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

REACH: This mixture contains exclusively components which have been either pre-registered, are exempted from registration or must not be registered according to EC Regulation 1907/2006 (REACH).

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.