SAFETY DATA SHEET
Pigment Green 7

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

Date issued 26.11.2013

1.1. Product identifier
Product name Pigment Green 7
Synonyms Polychloro copper phthalocyanine
REACH Reg No. 01-2119459333-39-0000
CAS no. 1328-53-6
EC no. 215-524-7
Article no. 29001009

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

1.3. Details of the supplier of the safety data sheet
Manufacturer
Company name Fred Holmberg & Co AB
Office address Geijersgatan 8
Postal address Box 60056
Postcode S-216 10
City Limhamn
Country Sweden
Tel +46 (0)40 15 79 20
Fax +46 (0)40 16 22 95
E-mail info@holmberg.se
Website http://www.holmberg.se/en/

1.4. Emergency telephone number
Emergency telephone 112 : (Europe)

SECTION 2: Hazards identification

2.1. Classification of substance or mixture
Additional information on classification Icke märkningspliktig produkt. Not classified according to CLP-regulation.

2.2. Label elements
Composition on the label Pigment Green 7:100 %

2.3. Other hazards
Other hazards Not known.

SECTION 3: Composition/information on ingredients

3.1. Substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Classification</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pigment Green 7</td>
<td>CAS no.: 1328-53-6</td>
<td></td>
<td>100 %</td>
</tr>
</tbody>
</table>
|                 | EC no.: 215-524-7               | Classification notes: Pigment Green 7 is not classified / subject to
SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

Ingestion: Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Contact physician if larger quantity has been consumed.

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

Information for health personnel: Treat Symptomatically. Do not give victim anything to drink if he is unconscious.

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

Specific details on antidotes: No recommendation given.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards: Solvent vapours may form explosive mixtures with air.


5.3. Advice for firefighters

Fire fighting procedures: No specific fire fighting procedure given.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures: Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Ventilate well. Stop leak if possible without risk. Avoid contact with skin and eyes. Do not breathe vapour.

6.2. Environmental precautions

Environmental precautionary measures: Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Cleaning method: Dam and absorb spillages with sand, earth or other non-combustible material.

6.4. Reference to other sections

Other instructions: No recommendation given.
SECTION 7: Handling and storage

7.1. Precautions for safe handling
Handling
Mechanical ventilation may be required. Observe good industrial hygiene practices.

Protective Safety Measures
Advice on general occupational hygiene
Provide easy access to water supply and eye wash facilities.

7.2. Conditions for safe storage, including any incompatibilities
Storage
Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place.

7.3. Specific end use(s)
Specific use(s)
Not entered.
Specific end users

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational Exposure limit values
<table>
<thead>
<tr>
<th>Substance</th>
<th>Identification</th>
<th>Value</th>
<th>TWA Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pigment Green 7</td>
<td>CAS no.: 1328-53-6, EC no.: 215-524-7, Registration number: 1-2119459333-39-0000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Occupational exposure limits
Well-ventilated area. Protective gloves and goggles are recommended. Provide eyewash, quick drench.

Safety signs

Respiratory protection
Suitable respiratory protection must be used at high concentrations. If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection
Use protective gloves. Chemical resistant gloves required for prolonged or repeated contact. Gloves of nitrile rubber, PVA or Viton are recommended.

Eye / face protection
Use safety goggles or face shield in case of splash risk.

Skin protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene / Environmental
Wash hands after contact.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Fine powder.</td>
</tr>
<tr>
<td>Colour</td>
<td>Green.</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless.</td>
</tr>
<tr>
<td>pH (as supplied)</td>
<td>Value: 5-8</td>
</tr>
</tbody>
</table>
**SECTION 10: Stability and reactivity**

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers. Avoid contact with strong reducing agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products


**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Toxicological data for substances

<table>
<thead>
<tr>
<th>Substance</th>
<th>Pigment Green 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</td>
<td>Value: &gt; 3000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Animal test species: Rat</td>
</tr>
<tr>
<td></td>
<td>Comments: OECD Guideline 401 Acute Oral Toxicity</td>
</tr>
</tbody>
</table>

Potential acute effects

Inhalation

Icke klassificerad som aspirationstoxisk (Not classified as asp. tox.)

Skin contact

May irritate. May be degreasing after frequent contact.

Eye contact

May irritate and cause redness and pain.

Ingestion

Ingestion of large amounts may cause unconsciousness.

Delayed effects / repeated exposure

Sensitisation

Not known.

Chronic effects

None known.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity

None.

Mutagenicity

None.

Teratogenic properties

Not known.

Reproductive toxicity

Not known.

**SECTION 12: Ecological information**

12.1. Toxicity

Toxicological data for substances

<table>
<thead>
<tr>
<th>Substance</th>
<th>Pigment Green 7</th>
</tr>
</thead>
</table>
Acute aquatic, fish  
Value: > 250 mg/l  
Method of testing: LC50  
Species: yzias latipes  
Duration: 48h  

Acute aquatic, Daphnia  
Value: > 500 mg/kg  
Method of testing: EC50  
Species: Daphnia magna  
Duration: 24h  

Mobility, description  
The product contains substances, which are bound to particulate matter and are withheld in the earth. The product is insoluble in water.  

Persistence and degradability  
This product is expected to be not readily biodegradable.  

**12.2. Persistence and degradability**  
Degradation half life  
Slowly biodegradable  

**12.3. Bioaccumulative potential**  
Bioaccumulative potential  
Will not bio-accumulate.  

Bioconcentration factor (BCF)  
Value: 0.51-4.8  
Method of testing: OECD Guideline 305C  

**12.4. Mobility in soil**  
Mobility  
The product contains substances, which are bound to particulate matter and are withheld in the earth. The product is insoluble in water.  

**12.5. Results of PBT and vPvB assessment**  
PBT assessment results  
This substance is not classified as PBT or vPvB.  

**12.6. Other adverse effects**  
Other adverse effects / Remarks  
None known.  

**SECTION 13: Disposal considerations**  
**13.1. Waste treatment methods**  
Specify the appropriate methods of disposal  
Confirm disposal procedures with environmental engineer and local regulations. Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point. Liquid components can be disposed of by incineration.  

Product classified as hazardous waste  
No  

Packaging classified as hazardous waste  
No  

**SECTION 14: Transport information**  
**14.1. UN number**  
Comments  
Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR  

**14.2. UN proper shipping name**  
**14.3. Transport hazard class(es)**  
**14.4. Packing group**  
**14.5. Environmental hazards**  
**14.6. Special precautions for user**  
**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  

**SECTION 15: Regulatory information**
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Other Label Information

Legislation and regulations
Dangerous Substance Directive 67/548/EEC.

15.2. Chemical safety assessment

SECTION 16: Other information

Responsible for safety data sheet
Fred Holmberg & Co AB