MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

NAME: Verdcol® Pink 122

COMPANY DETAILS

EMERGENCY

Use the following phone number:
International: +86 21 52835226
(Only available in working hour)

ADDRESS
VERDCOL LTD.
No.10, Lane 112 Changshu Road, Jing’an District, Shanghai, China
Tel + 86 21 52835226
Fax + 86 21 52835226
E-Mail: service@verdcol.com

MATERIAL

Generic Sample Names
Pigment Red 122

Alternative Name/Intended Use
C.I. No.: 73915

Chemical Type:
Quinacridone

CAS Number(s)
980-26-7

EU Number(s)
213-561-3

2. COMPOSITION/INFORMATION ON INGREDIENTS

This material is a coloring agent used in the preparation of paint and plastic.

HEALTH HAZARDS

This material contains no ingredients/impurities classified as hazardous to health according to EU and UK chemicals legislation.
Refer to Section 15 for full text of risk phrases

3. HAZARD IDENTIFICATION

Not classified as hazardous according to rules and criteria in European Community Directives

4. FIRST AID MEASURES

Inhalation
Remove the affected person to fresh air, keep at rest in half upright position and loosen clothing if necessary. If symptoms persist, seek medical attention.

Ingestion
Rinse mouth with plenty of water or milk to drink. If symptoms persist, seek medical attention.

Eye Contact
Irrigate with eye wash solution or clean water holding the eyelids apart for at least 15 minutes. If symptoms persist, seek medical attention.

Skin Contact
Wash skin immediately with soap and water. If symptoms persist, seek medical attention.

Further Medical Treatment
None Known

5. FIRE FIGHTING MEASURES

MSDS

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VERDCOL LTD.
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Ensure suitable personal protection during removal of spillages.

Environmental Precautions
Do not allow to enter drains or water courses. In case of contamination contact the Environmental Agency or appropriate regulatory body immediately.

Methods of Cleaning Up
Sweep up into suitable containers for disposal in accordance with waste regulations (See section 13).

7. HANDLING AND STORAGE

Handling
Use protective clothing as described in section 8. Avoid contact with skin and eyes.
Reseal containers immediately after use. Provide adequate ventilation.

Storage
Store in a cool, dry place. Use sealed containers.

Specific Uses
None. (See section 1).

Extra Information
DANGER: Explosion risk if an air-dust mixture forms. Empty only into earthed containers. Dust explosion class 1.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NOTE: All PPE should be changed / cleaned as necessary to avoid contamination / permeation.

EXPOSURE CONTROLS
Hand Protection
PVC gloves for hygiene purposes.

Eye Protection
Safety glasses or goggles.

Respiratory Protection
Where necessary should conform to FFP2 (EN 149:2001) or equivalent

Skin Protection
Wear PVC apron. Avoid contact with the material.

Environmental Exposure Controls
Any spillages should be thoroughly cleaned up. (See section 6).

OCCUPATIONAL EXPOSURE LIMITS (OEL)

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>LTEL 8hrTWA</th>
<th>STEL/TIME</th>
<th>OSHA PEL 8hr TWA</th>
<th>ACGIH TLV 8hr TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust/Particles</td>
<td>10mg/m³</td>
<td>No data.</td>
<td>Total dust: 15mg/m³</td>
<td>Inhalable: 10mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Respirable: 5mg/m³)</td>
<td>(Respirable: 3mg/m³)</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: The data are provided for H&S purposes only - see section 16.

Description
Red powder with no odour.

Density (g/cm³)
1.4 ~ 1.5

Solubility (in water)
Insoluble

No further information is available.

10. STABILITY AND REACTIVITY
Conditions to Avoid Stable under normal temperature conditions.
Materials to Avoid None known
Hazardous Decomposition Products Under fire conditions, this material may emit irritating and toxic fumes including oxides of nitrogen and carbon.
Substance / Preparation Stabilized? No. This substance is stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

- Inhalation: Not normally irritating.
- Ingestion: Not normally irritating.
- Eye Contact: Not normally irritating.
- Skin Contact: Not normally irritating.
- Long Term Exposure: No mutagenic effects observed.

**Toxicology**

<table>
<thead>
<tr>
<th>Toxicity End Point</th>
<th>Inhalation</th>
<th>Skin</th>
<th>Ingestion</th>
<th>Eye</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox.</td>
<td>No Data</td>
<td>LD50&gt;2000mg/kg (rat)</td>
<td>LD50&gt;5000mg/kg (rat)</td>
<td>No Data</td>
</tr>
<tr>
<td>Irritation</td>
<td>No Data</td>
<td>Non-irritating (rabbit)</td>
<td>No Data</td>
<td>Non-irritating (rabbit, 84/449/EEC B.5)</td>
</tr>
<tr>
<td>Sensitisation</td>
<td>No Data</td>
<td>Non-sensitising (guinea pig, 84/449/EEC B.6)</td>
<td>No Data</td>
<td>No Data</td>
</tr>
</tbody>
</table>

There is no further toxicological data available for this product.

12. ECOLOGICAL INFORMATION

- Persistence and Degradability: Non-biodegradable over the 28-day test period (modified Sturm test).
- Ecotoxicity: The product is insoluble in water. No adverse effects were observed on daphnia magna or on algal growth and it is not toxic to waste-water bacteria.
- Bioaccumulative Potential: Not known.
- Mobility: Not known.
- Other Adverse Effects: Not known.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains, water courses or where ground/surface waters may be affected. Disposal should be in accordance with regulations under the Special Waste Regulations, the Landfill (England and Wales) Regulations 2001, the Environmental Protection Act 1990 and the Pollution Prevention and Control Act 1999 or appropriate local / national regulations. Contaminated packaging should be treated as the substance preparation.

14. TRANSPORT INFORMATION

This material is not dangerous for transportation.

15. REGULATORY INFORMATION

**LABELLING**
Verdcol® Pink 122
EU No 213-561-3
S22: Do not breathe dust.

EUROPEAN REGULATIONS

Classification: Not applicable
EINECS Status: ELINCS listed

TEXT OF RISK PHRASES MENTIONED ELSEWHERE IN MSDS

None

US REGULATIONS

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR 355.30): Not Regulated.
SARA Title III Section 311/312 Hazardous Categories (40 CFR 370.21): Acute-No, Chronic-No, Fire-Yes, Reactive-No Sudden Release-No
SARA Title III Section 313(40 CFR 372.65): Not Regulated.
California Proposition 65: Not Regulated.

OTHER REGULATIONS

Germany: WGK class 1 (low hazard to waters).
Canada DSL: Listed
This MSDS has been prepared in accordance with the requirements of:
Classification (Hazards, Information and Packaging) Regulations 2002. (UK)
OSHA Hazard Communication Standard. (US)

This MSDS is intended to assist in compliance with the following legislation/guidance:
Health and Safety at Work Act 1974. (UK)
Control of Substances Hazardous to Health Regulations 2002. (UK)
COSHH Essentials. (UK)
Dangerous Substances and Explosive Atmospheres Regulations 2002. (UK)
Pollution Prevention and Control (England and Wales) Regulations 2000. (UK)
Toxic Substances Control Act. (US)
Superfund Amendment and Reauthorization Act (SARA). (US)
Federal Food, Drug and Cosmetic Act. (US)
Federal Insecticide, Fungicide and Rodenticide Act. (US)
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). (US)
California Proposition 65. (US)
OSHA Process Safety. (US)

16. OTHER INFORMATION

The material supplied is intended only for industrial or laboratory use.

This document contains important information to ensure the safe handling and use of the material. The information in this document should be brought to the attention of the person in your organization responsible for advising on
safety matters.

The technical information provided in this MSDS should only be used for the purpose of assessing hazards with respect to safety or the environment. It should not be used as a technical specification or engineering calculations. For details regarding specification or other product/technical data, contact VERDCOL LTD. using the address on the first page.

The information contained herein is accurate to the best knowledge and belief of VERDCOL LTD. and intended to describe the product for the purposes of health, safety and environmental requirements only. It is given in good faith, but is not intended, and should not be construed, as a warranty. It remains the user’s own responsibility to ensure that the information is appropriate and complete for their use of this product and that all necessary steps are taken to meet the requirements of applicable legislation.

This MSDS was last revised in April 2013 – New MSDS

Abbreviations:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
<th>Acronym</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTEL</td>
<td>Long Term Exposure Limit</td>
<td>OSHA</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limit</td>
<td>ACGIH</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
<td>SK</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
<td>Sen</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Values</td>
<td></td>
</tr>
</tbody>
</table>