GPS Safety Summary

C.I. Pigment Violet 19

Chemical Identity

Name: C.I. Pigment Violet 19
CAS number: 1047-16-1
Molecular formula: C$_{20}$H$_{12}$N$_2$O$_2$

Structure

![Chemical Structure](image)

IUPAC name:
5,12-dihydroquino[2,3-b]acridine-7,14-dione

BASF brand names:
- Cinquasia® Red L 4100 HD
- Cinquasia® Red K 4104
- Cinquasia Violet K 5350 FP
- Cinquasia® Violet L 5125

For synonyms see end of document

Product Uses

C.I. Pigment Violet 19 is a coloring agent for coatings, inks and plastics

Benefits

- **Cinquasia® Red L 4100 HD** for application in inks and coatings: Opaque yellowish quinacridone with good outdoor properties
- **Cinquasia® Red K 4104** for application in inks and plastics: Opaque yellow-shade quinacridone with high durabilities including outdoors; high value attractive bluish-red shade pigment with high opacity and outstanding resistance properties
- **Cinquasia Violet K 5350 FP** for application in fibers: A pigment with excellent heat stability for use in clothing, home-textile and automotive applications
- **Cinquasia® Violet L 5125** for application in coatings: Quinacridone violet with outstanding resistance to weathering
Health Information

Human Health Safety Assessment

Note: The information contained in the table below may be useful to someone handling the concentrated substance such as a manufacturer or transporter. Consumers are not likely to come in contact with the concentrated substance. The data, while verifiable, are not intended to be comprehensive nor replace the data found in the (M)SDS.

<table>
<thead>
<tr>
<th>Effect Assessment</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>Virtually nontoxic after a single ingestion, a single skin contact and by inhalation. The statements have been derived in parts from products of a similar structure or composition.</td>
</tr>
<tr>
<td>Irritation</td>
<td>Not irritating to the skin and eyes.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>Skin sensitizing effects were not observed in animal studies.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No mutagenic effect was found in various tests with bacteria, mammalian cell culture and mammals. The statement has been derived in parts from products of a similar structure or composition.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No experimental data is available regarding carcinogenicity.</td>
</tr>
<tr>
<td>Toxicity after repeated exposure</td>
<td>No adverse effects were observed after repeated exposure in animal studies. The statement has been derived from products of a similar structure or composition.</td>
</tr>
<tr>
<td>Toxicity for reproduction</td>
<td>Repeated oral uptake of the substance did not cause damage to the reproductive organs.</td>
</tr>
</tbody>
</table>

Environmental Information

Environment Safety Assessment

Note: The information in this chapter is intended to provide brief and general information of this substance’s environmental impact. The results in the table below refer to testing performed with the concentrated substance. The data contained in this section explain the relative effect of the concentrated substance on the environment, as defined by certain tests.
Effect Assessment | Result
--- | ---
Aquatic Toxicity | With high probability not harmful to aquatic life in the range of water solubility.
Persistence and degradability | Poorly biodegradable.
Bioaccumulation potential | Not bioaccumulative.

Physical/Chemical Properties

Phys/Chem Safety Assessment

- C.I. Pigment Violet 19 is a red powder which is insoluble in water. It is not highly flammable, non explosive und has no oxidising properties.

*Note: The results in the table below refer to testing performed with the concentrated substance. It is not intended to be comprehensive or to replace information found in the (M)SDS.*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>No melting up to 450°C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not highly flammable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Non explosive</td>
</tr>
<tr>
<td>Self-ignition temperature</td>
<td>380°C</td>
</tr>
</tbody>
</table>

Exposure Potential

- **Workplace exposure:** Pigments are often handled in a dusty form, so general precautions against dust inhalation need to be observed. Based on the very low toxicity of C.I. Pigment Violet 19 exposures are considered to be without risk other than that related to inert inhalable dust. Nevertheless, workers should follow the recommended safety measures in the extended Safety Data Sheet (eSDS).
- **Consumer exposure:** Based on the very low toxicity of C.I. Pigment Violet 19 exposure is considered to be without risk. C.I. Pigment Violet 19 released during handling is of no...
concern for the health of consumers since consumers will not come into contact with harmful levels of C.I. Pigment Violet 19. Nevertheless, consumers should always read product information before use and follow the label/use instructions.

- **Environmental exposure:** Though C.I. Pigment Violet 19 is not biodegradable, the substance is not considered to pose an unacceptable risk for the environment. It is with high probability not harmful to aquatic organisms in the range of its water solubility and it does not accumulate in organisms. Conclusively, all identified uses are safe for the environment based on the scientific facts summarized above and when carried out in compliance with recommended risk management measures and applicable regulations.

**Recommended Handling Measures**

*The recommended safety measures generally apply in contact with the concentrated substance. It is NOT intended to replace the comprehensive guidance found in the (M)SDS, only supplement it. Please refer to the (M)SDS for specific safety and first aid measures.*

When using concentrated chemicals always make sure that there is adequate ventilation. Always use appropriate chemical resistant gloves to protect your hands and skin and always wear eye protection such as chemical goggles. Do not eat, drink, or smoke where chemicals are handled, processed, or stored. Wash hands and skin following contact. If the substance gets into your eyes, rinse eyes thoroughly for at least 15 minutes with tap water and seek medical attention. For specific advice please consult the corresponding (Material) Safety Data Sheet of the substance.

All effluent releases that may include the substance must be directed to a (municipal) waste water treatment plant that removes the substance from the final releases to the receiving water.

**Regulatory Information / Classification and Labeling**

Under GHS substances are classified according to their physical, health, and environmental hazards. The hazards are communicated via specific labels and the (M)SDS. GHS attempts to standardize hazard communication so that the intended audience (workers, consumers, transport workers, and emergency responders) can better understand the hazards of the chemicals in use.
Note: The hazard statements and symbols presented here refer to the hazard properties of the concentrated substance and are meant to provide a brief overview of the substance’s labeling. It is not intended to be comprehensive or to replace information found in the (M)SDS.

Labeling according to UN GHS
UN GHS is the basis for country specific GHS labeling

Based on available data, labeling is currently not required.

Additional information

1. IFA GESTIS-database on hazardous substances
   http://www.dguv.de/ifa/en/gestis/stoffdb/index.jsp

2. Information on registered substance (ECHA)

Most commonly used synonyms

» Quino[2,3-b]acridine-7,14-dione, 5,12-dihydro-

Disclaimer

This Product Safety Summary is intended to provide a general overview of the chemical substance. It contains basic information and is not intended to provide emergency response information, medical information or treatment information. The summary cannot be relied on to provide in-depth safety and health information. In-depth safety and health information must be obtained from the Material Safety Data Sheet ((M)SDS) for the chemical substance.

IMPORTANT: While the data and information contained herein are presented in good faith and believed to be accurate at the date of printing, it is provided for your guidance only and may be revised in the future. No warranties of any kind, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made regarding the data or information provided. Further, it is expressly understood that the data and information furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability whatsoever resulting from use of or reliance on the data and information given.
Contact

For further information on this substance or GPS safety summaries in general, please contact: info.gps@basf.com