GPS Safety Summary
C.I. Pigment Red 112

Chemical Identity

Name: C.I. Pigment Red 112

CAS number: 6535-46-2

Molecular formula: C_{24}H_{16}Cl_{3}N_{3}O_{2}

Structure

IUPAC name: 3-hydroxy-N-(2-methylphenyl)-4-
[(2,4,5-trichlorophenyl)diazenyl]-2-naphthamide

BASF brand names:
Irgalite Red L 3865

For synonyms see end of document

Product Uses

C.I. Pigment Red 112 is a colouring agent for application in coatings

Benefits

Irgalite red L 3865 – mid-shade red with high brilliance and good opacity
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.</td>
</tr>
<tr>
<td></td>
<td>Virtually nontoxic after a single skin contact.</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>The substance was not mutagenic in bacteria and in mammalian cell culture.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Based on available data carcinogenic properties are not expected.</td>
</tr>
<tr>
<td>Toxicity after repeated exposure</td>
<td>Repeated oral uptake of the substance by animals did not cause substance-related effects.</td>
</tr>
<tr>
<td>Toxicity for reproduction</td>
<td>The substance does not cause toxicity to reproductive organs in animal studies.</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 | No toxic effects occur at the range of the substances water solubility.
Persistence and degradability | Test technically not feasible. As a consequence of the extremely low water solubility of the substance standard methods cannot be applied, because technical limitations for detection of biodegradation are exceeded. As a precautionary statement, Pigment 112 is considered to be not biodegradable.
Bioaccumulation potential | Accumulation in organisms is not to be expected.

### Physical/Chemical Properties

**Phys/Chem Safety Assessment**

- Pigment Red 112 is a solid red powder which is insoluble in water. It is non flammable, non explosive and 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 point up to decomposition temperature $\geq 270$ °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>Non flammable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Non explosive</td>
</tr>
<tr>
<td>Self-ignition temperature</td>
<td>$\geq 270$ °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 Pigment Red 112 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 Pigment Red 112 exposure is considered to be without risk. Pigment Red 112 released during handling is of no concern for the health of consumers since consumers will not come into contact with harmful levels of Pigment Red 112.

- **Environmental exposure:** Colorants like Pigment Red 112 are by their nature very stable and therefore considered to be not readily biodegradable under conditions prevailing in surface water. Though Pigment Red 112 is not biodegradable the substance is not considered to pose an unacceptable risk for the environment since no toxic effects occur at the range of the substances water solubility and it is of very low bioavailability. 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

» 2-Naphthalene-carboxamide, 3-hydroxy-N-(2-methylphenyl)-4-[[2,4,5-trichlorophenyl]azo]- (9CI)
» 3-hydroxy-N-(o-tolyl)-4-[[2,4,5-trichlorophenyl]azo]naphthalene-2-carboxamide
» C.I. 12370
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.

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Contact

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