DSD Acid

Safety (MSDS) data

This product is from a Valetime Integrated Source

GENERAL

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS</td>
<td>81-11-8</td>
</tr>
<tr>
<td>Intrastat No.</td>
<td>2921.59.90.90</td>
</tr>
<tr>
<td>Synonyms</td>
<td>4,4-Diaminostilbene-2,2-Disulphonic Acid, DAS Acid, DSD Acid, amsonic acid, flavonic acid, NCI-C60162, DASD, DAS, Tinopal BHS 2,2’-(1,2-ethylenediy)bis(5-aminobenzenesulfonic acid)</td>
</tr>
<tr>
<td>Molecular formula</td>
<td>C14 H14 N2 O6 S2</td>
</tr>
<tr>
<td>Use</td>
<td>To manufacture fluorescent whitener, Direct Yellow G, Direct Yellow R and pesticide</td>
</tr>
</tbody>
</table>

PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pale yellow powder; soluble in ethanol and ether; insoluble in water; easily soluble in alkali solution. It changes red and has characters of aromatic acid and amine on oxidation.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&gt; 325 °C</td>
</tr>
</tbody>
</table>

STABILITY

Stable.
Combustible.
Incompatible with iron, strong oxidizing agents

TOXICOLOGY

Believed to be toxic by ingestion (which suggests that the toxicity data given below are wrong - the figure of 47g/kg noted in the NTP chemical repository should perhaps be 47 mg/kg).

<table>
<thead>
<tr>
<th>Toxicity data</th>
<th>Value</th>
</tr>
</thead>
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<tr>
<td>Toxicity data</td>
<td>ORL-GPG LD50 47000 mg kg⁻¹</td>
</tr>
</tbody>
</table>

PERSONAL PROTECTION

Treat as potentially toxic - use gloves, safety glasses and adequate ventilation.

Disclaimer for Specifications

Every effort is made to ensure that technical specifications are accurate. However, technical specifications included herein should be used as a guideline only and not construed as commitment by any company within or supported by the VALETIME Group. All specifications are subject to change without notice.