TIN OXIDES DATA SHEET - 018 Issue 2, Effective Date: 2/10/91

Chemical Name: tin (IV) oxide, stannic oxide, SnO2
CAS No: [10282-10-5] OCN: 282590 30 0 FINECS: 2421590

Description: Tin (IV) oxides produced thermally from high grade tin metal


Applications: Glaze specifiers, pigments, electronic ceramics, capacitors, special refractories, chemicals, lapidary and lens polishing

CONTROL PROPERTIES

Chemical Data: These materials are produced from tin metal conforming to the BS3252:1986 specification (99.85% minimum purity).

Physical Data: These materials are manufactured and tested to conform to the following Sedigraph Particle Size Distribution:

<table>
<thead>
<tr>
<th></th>
<th>10</th>
<th>percent</th>
<th>finer, microns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superlite C</td>
<td>97-100</td>
<td>97-100</td>
<td>96-100</td>
</tr>
<tr>
<td>RW Lite</td>
<td>97-100</td>
<td>97-100</td>
<td>96-100</td>
</tr>
<tr>
<td>Superlite A</td>
<td>95-100</td>
<td>93-100</td>
<td>89-100</td>
</tr>
<tr>
<td>Vertex</td>
<td>90-100</td>
<td>89-100</td>
<td>82-100</td>
</tr>
<tr>
<td>SV5</td>
<td>85-100</td>
<td>91-98</td>
<td>75-88</td>
</tr>
</tbody>
</table>

TYPICAL, SIGNIFICANT PROPERTIES

Chemical Data, Impurities (as oxides):
As, Bi, Co, Cu, Fe, In, Ni, Pb*, Sb: Individual oxides 0.05% maximum
Ag, Cd, Hg, Mn, Zn: Individual oxides 0.01% maximum
Total of all impurities listed: 0.15% maximum
* Pb content of Superlite C: 0.01% maximum

Surface Area (BET) Tap Bulk Density
m2 / g g / l
Superlite C 7 - 11 600
RW Lite 7 - 11 600
Superlite A 5 - 9 1100
Vertex 4 - 8 1400
SV5 2 - 4 1300

All information is given in good faith but without warranty.
This Data Sheet supersedes and replaces all previous issues.
[II] Based on bulk samples assayed at intervals.