Product Data Sheet

(4N) 99.99% Aluminum-doped Zinc Oxide Nanopowder
Product Code: ZNO-ALOD-04-NP

Formula: \( \text{Al}_2\text{O}_3 : \text{ZnO} \)
CAS No.: 37275-76-6
EC No.: 215-222-5
MDL: MFCD21608491

Chemical Identifiers

<table>
<thead>
<tr>
<th>Linear Formula</th>
<th>( \text{Al}_2\text{O}_3 : \text{ZnO} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDL Number</td>
<td>MFCD21608491</td>
</tr>
<tr>
<td>EC No.</td>
<td>215-222-5</td>
</tr>
<tr>
<td>Pubchem CID</td>
<td>9794068</td>
</tr>
<tr>
<td>IUPAC Name</td>
<td>dialuminum; zinc; oxygen(2-)</td>
</tr>
<tr>
<td>SMILES</td>
<td>([\text{O-2}],[\text{O-2}],[\text{O-2}],[\text{O-2}],[\text{Al+3}],[\text{Al+3}],[\text{Zn+2}])</td>
</tr>
<tr>
<td>InChI Identifier</td>
<td>InChI=1S/2Al.4O.Zn/q2^+3;4^-2;+2</td>
</tr>
<tr>
<td>InChI Key</td>
<td>DSRXRJYQGIXPCQ-UHFFFAOYSA-N</td>
</tr>
</tbody>
</table>

Total Metal Impurities: 0.01% max.

Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

Documentation

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.

AMERICAN ELEMENTS | 10884 WEYBURN AVE. | LOS ANGELES, CALIFORNIA 90024
TEL. 310-208-0551 | FAX 310-208-0351 | customerservice@americanelements.com