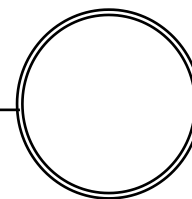


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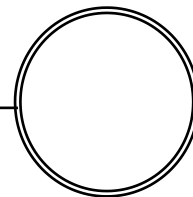
Technical Data Sheet (T.D.S)

Zinc Dust

| Chemical Characteristics | Zinc in Dust Form, Zn |
|---------------------------|---|
| CAS No. | 7440 – 66 – 6 |
| E.U. Index | 030 – 002 – 007 |
| Melting Point | 419 °C |
| Boiling Point | 907 °C |
| Solubility | Insoluble in Water |
| Toxicological Information | Avoid inhalation, eye contact, skin contact and ingestion |
| Personal Protection | Must wear eye protection glasses, mask, gloves and boots while handling the material |
| Fire Fighting Methods | Use dry chemical, CO ₂ , sand, dolomite, etc. Water or halogenated extinguishing medium are NOT to be used |
| Hazard Information | Avoid dust clouds formation, which may present a dust explosion hazard in the presence of a source of ignition |
| Handling | Keep away from heat, sparks and open flame. Containers to be kept closed tightly. This product will oxidize slowly if exposed to air |
| Packaging | HDPE Drums with double poly-lined bags inside. Silica gels inside the drums and inside the bags (optional). Custom packaging upon request. (terms & conditions applied) |
| Storage | Store in a cool, dry, well-ventilated place and away from fire, sparks and incompatible substances |
| Shelf Life | Zinc Dust is sensitive to moisture. Unsealing the container and leaving exposed to open air or storing in humid areas will reduce the shelf life. |
| | |

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Uses/Application

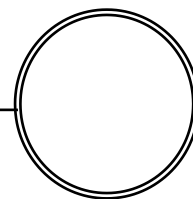
| Zinc Dust Application Industries | |
|------------------------------------|---|
| <u>Paints and Coatings</u> | Manufacturing of Zinc-rich paint formulations |
| <u>Chemicals and Intermediates</u> | Manufacture of chemicals (Zinc Phosphide, Sodium Hydrosulphite, SFS, ZFS etc.) |
| | Refining Zinc while manufacturing through electrolytic process |
| | Metalizing and chemical reactions |
| <u>Pharmaceuticals</u> | Intermediate in drug manufacturing |
| <u>Mining</u> | Separation of metals like Gold, Uranium etc. from leaching solutions |
| <u>Other</u> | Plating, Lubricants, Purification, etc |

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Specifications – 300

| Sl. No. | Parameters | Specification |
|---------|--|-------------------------|
| 1 | Mesh | 300 |
| 2 | Appearance | Fine Grey Powder |
| 3 | Total Zinc | 94% (Min) |
| 4 | Metallic Zinc | 92 ± 2% (Min) |
| 5 | Lead (Pb) | 0.01% (Max) |
| 6 | Cadmium (Cd) | 0.01% (Max) |
| 7 | Iron (Fe) | 0.20% (Max) |
| 8 | Copper (Cu) | 0.005% (Max) |
| 9 | Tin (Sn) | 0.01% (Max) |
| 10 | Acid Insoluble | 0.4% (Max) |
| 11 | Substance Reducing KMnO₄ | 0.02% (Max) |
| 12 | Residue on 300 Mesh Sieve | 2.5% (Max) |
| 13 | Specific Gravity | 6.3-7.1 |
| 14 | Average Particle Size | 53 micron |