

Q.C. Laboratory

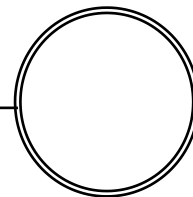
Technical Data Sheet (T.D.S)

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	MS 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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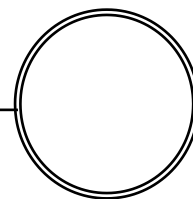
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Uses/Application

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
Other	Plating, Lubricants, Purification, etc

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Specifications – (AB Grade)

Sl. No.	Parameters	Specification
1.	Mesh	300
2.	Appearance	Fine Grey Powder
3.	Total Zinc	94% +-2%
4.	Metallic Zinc	92%+-2%
5.	Lead (Pb)	0.01% (Max)
6.	Chromium (Cr)	0.01% (Max)
7.	Iron (Fe)	0.18% (Max)
8.	Arsenic	NIL
9.	Residue on 300 Mesh Sieve	2.5% (Max)
10.	Specific Gravity	6.3-7.1
11.	Particle Size	53 micron