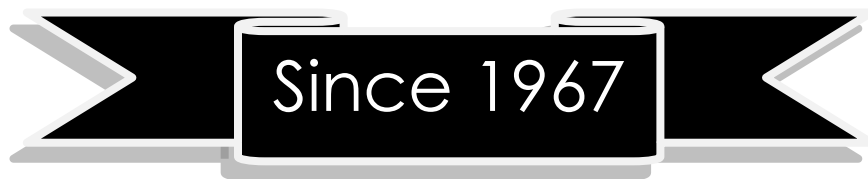


A CRISIL Certified Company
410001301153

PINKTO CHEMICALS



www.pinktochemicals.com

Pinkto Chemicals is an India based Industry that has been producing and custom fabricating industry's highest purity grades of Zinc Dust, Zinc Chloride and Mercuric Chloride for more than 55 years. Our clientele includes leading national and multi-national companies and we export our products worldwide. We operate dual-site plants in Kolkata and Orissa. Our location offers us convenient access to multiple transportation options for domestic supplies and exports.

Pinkto Chemicals has built a reputation for quality products that are underscored by availability and service. Commitment to quality, service and customer satisfaction has been the foundation of our success.

Our mission ... Our mission is to be a global leader with our customers, creating value by providing innovative, high quality products and services. Pinkto Chemicals was founded with an aim of being environmentally responsible company. We foster an environment where safety, morale and the development of our employees are fundamental to our continued success.

Organizations & Affiliations: In addition to making the world's premier Zinc and Mercury value-added products, we are involved in organizations and affiliations across the globe. Our involvement in the Indian Chemical Manufacturer and Merchant Association (ICMMA), Indian Chamber of Commerce, FICCI and others, furthers our commitment to a sustainable future for the market and the world.

Pictogram

Globally Harmonized System



Flammable



Dermal/Skin Irritant



Environmentally Toxic



Corrosive




Acutely Toxic



Oxidizing Substances

Product Catalogue





Units & Measurements

Particle Size Conversion Table

Mesh Size	Microns
200	75
250	63
300	53

Unit of Measure Conversion Table

Percent	Parts Per Million
.001%	10 ppm
.0001%	1 ppm
.00001%	.1 ppm
.000001%	.01 ppm

Product Line

Zinc Chloride

- Liquid
- Powder

Mercuric Chloride

- Powder

Zinc Dust

- Powder

Galvanizers

- Liquid
- Powder

Product Specification



Zinc Chloride Liquid (ZnCl₂)

CAS No.: 7646-85-7

Molecular Formula: ZnCl₂

Molecular Weight: 136.30

Grade: CG - 41

PARTICULARS	SPECIFICATIONS
Appearance	Colourless & Clear Liquid
Purity as Zinc Chloride (ZnCl ₂)	41% (Min)
Zinc (as Zn)	19.7% (Min)
Specific gravity	460Be (Min) at 15.50C
Iron (as Fe)	0.01% (Max)
PH	3.2+0.4

Grade: EG - 46

PARTICULARS	SPECIFICATIONS
Appearance	Colourless & Clear Liquid
Purity as Zinc Chloride (ZnCl ₂)	46% (Min)
Zinc (as Zn)	22% (Min)
Specific gravity	500Be (Min) at 15.50C
Iron (as Fe)	0.005% (Max)
PH	3.2+0.4 (Max)
Heavy Metal	To pass test

Grade: BG - 41

PARTICULARS	SPECIFICATIONS
Appearance	Colourless & Clear Liquid
Purity as Zinc Chloride (ZnCl ₂)	41% (Min)
Zinc (as Zn)	19.7% (Min)
Specific gravity	460Be (Min) at 15.5°C
Alkali & Alkaline Earth	1.5% (Max)
Iron (as Fe)	0.005% (Max)
PH	3.4±0.4
Sodium (as Na)	0.35% (Max)
Sulfate (as SO ₄)	0.01% (Max)
Manganese (as Mn)	0.03% (Max)
Heavy Metal	To pass test

Grade: TG - 48

PARTICULARS	SPECIFICATIONS
Appearance	Colourless & Clear Liquid
Purity as Zinc Chloride (ZnCl ₂)	48% (Min)
Zinc (as Zn)	23% (Min)
Specific gravity	520Be (Min) at 15.50C
Iron (as Fe)	0.005% (Max)
PH	3.2+0.4 (Max)
Heavy Metal	To pass test

Grade: AG - 50

PARTICULARS	SPECIFICATIONS
Appearance	Colourless & Clear Liquid
Purity as Zinc Chloride (ZnCl ₂)	50% (Min)
Zinc (as Zn)	24% (Min)
Specific gravity	540Be (Min) at 15.5°C
Iron (as Fe)	0.01% (Max)
Heavy Metal	To Pass test

Note: All the afore-mentioned specifications are standard. Specifications can be tailor-made as per requirement.

Zinc Chloride (ZnCl₂)

CAS No.: 7646-85-7

Molecular Formula: ZnCl₂

Molecular Weight: 136.30

Grade: SEG - 62

PARTICULARS	SPECIFICATIONS
Appearance	Colourless to pale Yellow Semi Liquid
Purity as Zinc Chloride (ZnCl ₂)	62% (Min)
Zinc (as Zn)	30%(Min)
Specific gravity	66°Be (Min) at 15.5°C
Lead (as Pb)	0.001% (Max)
Iron (as Fe)	0.01% (Max)
Copper (as Cu)	0.0005% (Max)

Note: All the afore-mentioned specifications are standard. Specifications can be tailor-made as per requirement

Zinc Chloride Powder (ZnCl₂)

CAS No.: 7646-85-7

Molecular Formula: ZnCl₂

Molecular Weight: 136.30

Grade: CG - 80

PARTICULARS	SPECIFICATIONS
Appearance	White, Deliquescent Crystalline Powder
Assay	80% (min)
Zinc (Zn)	38.4% (min)

Grade: CG - 85

PARTICULARS	SPECIFICATIONS
Appearance	White, Deliquescent Crystalline Powder
Assay	85% (min)
Zinc (Zn)	40.7% (min)

Grade: TG - 90

PARTICULARS	SPECIFICATIONS
Appearance	White, Deliquescent Crystalline Powder
Assay	90% (min)
Zinc (Zn)	43% (min)
Iron	0.005% (max)
Heavy Metal	To Pass Test

Grade: TG - 94

PARTICULARS	SPECIFICATIONS
Appearance	White or almost white, crystalline powder
Assay	94% (min)
Zinc (Zn)	45% (min)
Iron	0.005% max
Heavy Metal	To Pass Test

Grade HG - 96

PARTICULARS	SPECIFICATIONS
Appearance	White, deliquescent crystalline Powder
Assay	96% (min)
Zinc (Zn)	46% (min)
Iron	0.005% (max)
Heavy Metal	Passes Test

Grade: HG - 98

PARTICULARS	SPECIFICATIONS
Appearance	White, Deliquescent Crystalline Powder
Assay	98% (min)
Zinc (as Zn)	47% (min)
Moisture	1% (max)
Sulfate	0.02% (max)
Barium	0.005% (max)
Iron	0.004% (max)
Lead	0.005% (max)
Clarity Test of 50% solution	Solution is Clear and Colourless
Heavy Metal	To Pass Test

Note: All the afore-mentioned specifications are standard. Specifications can be tailor-made as per requirement.

Mercuric Chloride

CAS No.: 7487 – 94- 7

Molecular Formula: HgCl₂

Grade: LR

PARTICULARS	SPECIFICATION
Physical Properties/Appearance	White Crystalline Powder
Assay (as purity) after drying	98.5%
Moisture Content	0.10%

Grade: AR

PARTICULARS	SPECIFICATION
Physical Properties/ Appearance	Heavy, White, Crystalline Powder
Assay (as purity) after drying	99%
Moisture Content	0.1%
Substance Insoluble in Water	0.02%
Substance Insoluble in Ether	0.01%
Non Volatile Substances	0.02%
R.O.I	0.02% (Max)
Test solution (5% w/v) (Hot DM water)	Solution is clear and Colorless.

Grade: ACS

PARTICULARS	SPECIFICATION
Assay (as purity) after drying	99.5%
Appearance	White Crystalline Powder
I.C.P Assay	conforms to Mercury Compounds
Titration (Complexometry)	99.5% (73.76% as Hg)
Residue on Reduction	0.02%
Solubility (2gms/60mls Ether)	Clear Solution
Iron (as Fe)	0.002%

Note: All the afore-mentioned specifications are standard. Specifications can be tailor-made as per requirement.

Mercuric Chloride

CAS No.: 7487 – 94- 7

Molecular Formula: HgCl₂

Grade: Battery

PARTICULARS	SPECIFICATION
Form	Granular, White Crystalline powder
Specific Gravity	5.44
Assay (as HgCl ₂) - After Drying	99.5 %
Sulfate	0.01 % (max)
Nitrate	0.01 % (max)
Iron (as Fe)	0.001 % (max)
Lead	Not Traceable
Insoluble Matter (In hot DM water)	0.05 % (max)
Foreign Matter not precipitated by Hydrogen Sulfide	0.08 % (max)
Residue on Ignition	0.1 % (max)

Note: All the afore-mentioned specifications are standard. Specifications can be tailor-made as per requirement.

Zinc Dust

CAS No.: 7440 – 66 – 6

Molecular Formula: Zn

Grade: 300 Mesh

PARAMETERS	SPECIFICATION
Mesh	300
Appearance	Fine Grey Powder
Total Zinc	94+-2%
Metallic Zinc	92+-2%
Lead (Pb)	0.01% (Max)
Chromium (Cr)	0.01% (Max)
Iron	0.18% (Max)
Arsenic	NIL
Residue on 300 Mesh Sieve	2.5% (Max)
Specific Gravity	6.3-7.1
Particle Size	53 micron

Zinc Dust

CAS No.: 7440 – 66 – 6

Molecular Formula: Zn

Grade: 240 Mesh

PARAMETERS	SPECIFICATION
Mesh	240
Appearance	Free Flowing Powder
Color	Grey
Total Zinc (Zn)	94% (+-2%)
Metallic Zinc	92% (+-2%)
Iron (Fe)	0.2% (max)
Residue on 250 (BSS) Mesh Sieve	1.5% (max)
Specific Gravity	6.3 – 6.8
Average Particle Size	63 micron

Grade: 200 Mesh

PARAMETERS	SPECIFICATION
Mesh	200
Appearance	Free Flowing Powder
Color	Grey
Total Zinc (Zn)	92% (min)
Metallic Zinc	90% (min)
Iron (Fe)	0.2% (max)
Residue on 200 (BSS) Mesh Sieve	1.5% (max)
Specific Gravity	6.1 – 6.7
Average Particle Size	75 micron

Galvanizing Chemicals

- Acidic Degreaser
- Inhibitor (Pickel-H)
- Water Flux (Pre Flux)
- Water Flux (Pre Flux) Nickel Based
- Blanket Flux (Galva Flux)
- Passivator
- Zinc Chloride
- Dross Reducing Flux
- Ammonium Chloride
- **to be customized**

Safety Data Sheet

Exposure controls

Personal protective equipment: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Not required under normal use

Hand protection: The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.

Eye protection: Safety glasses with side-shields Goggles

Skin and body protection: Chemical resistant apron, Flame retardant antistatic protective clothing.

Thermal hazard protection: Not required under normal use. Use dedicated equipment.

Precautions for safe handling

Handling: Prevent access by unauthorized personnel. Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

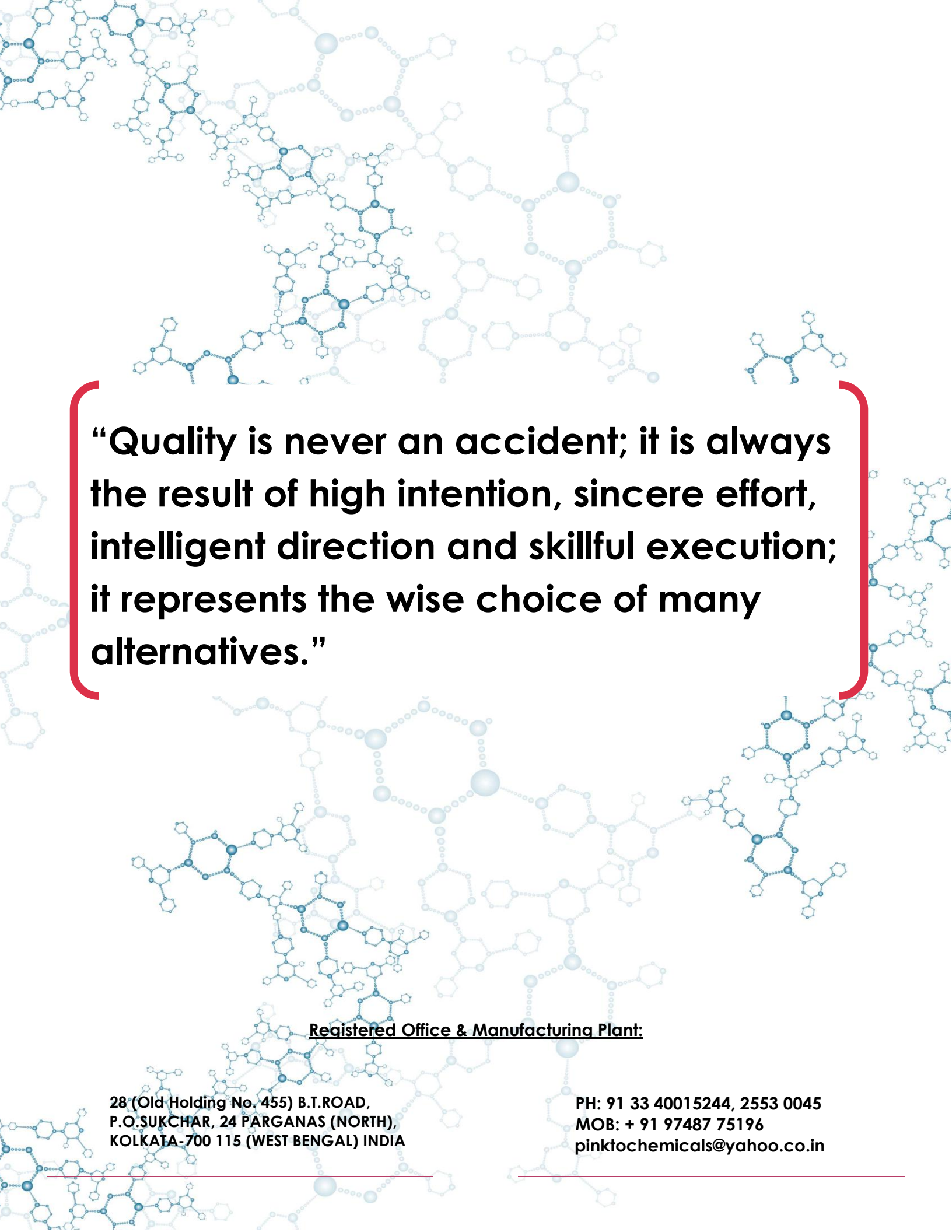
Take care to avoid waste and spillage when weighing, loading and mixing the product. Do not let product enter drains. Take any precaution to avoid mixing with Incompatible materials.

Always re-place cap after use.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Keep working clothes separately. Keep away from food, drink, and animal feeding stuffs. When using, do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Storage: Storage of flammable liquids at room temperature in the original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep away from food, drink and animal feeding stuffs.



“Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many alternatives.”

Registered Office & Manufacturing Plant:

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