



**United
Chemicals**

Manufacturers & Deals in: C.P.W & H.C.L
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United Chemicals

35 Years of Pioneering Service to Industries

With a legacy of 35 years, United Chemical Industries is pioneering in the field of fine Chlorinated Paraffin(CPW) and high purity Hydrochloric Acid. Our dedication to magnificence and quality is proceeding with methodology to convey the finest and the best, making benchmarks and tracks record of unparalleled execution. Presently we are catering to a large chunk of market demand with production of 25000 metric tonnes every year and to be expanded to 35000 metric tonnes.



MISSION & VISION

We at **United Chemicals** always deliver what we promise to our clients in totality, and in the process, win their unwavering faith in our deliverance.

In the quest of this Comapanie's mission, we at United Chemicals never fail to remember to abide by our set code of conduct, which is our brightest guiding light in our journey to accomplish an unmatched market position.



OUR PHILOSOPHY

- Strive for Complete Customer Satisfaction through finest quality
- Constantly upgrade technology with state-of-the-art R&D
- Form Strategic Alliances to develop core capabilities.
- Look for constant development of Human Resource.
- Ensure a pleasant and healthy work environment.
- Build market trust and develop long term relationship.
- Employ Modern Management Strategies to attain market edge.
- Act responsibly towards preserving ecology of environment.



KNOW US BETTER

United Chemicals was established in 1985, which specialized in manufacturing of chlorinated paraffin. for chlorinated paraffin and the products are widely used in manufacturing of wire and cable, lubricates, painting. Fireproof & waterproof material and artificial leather, shoe materials, pvc flooring, wallpaper, insulation materials and other relevant areas. In the past 20 years, we also deals in hydrochloric acid, dop, all kinds of waxes,phthalic anhydride,maleic-anhydride,castor oil.



QUALITY

In sync with the Companies viewpoint of reaching complete customer satisfaction, the standard directions provided at different manufacturing services of the group work on a zero threshold policy towards defective materials and processes. Only those lots which entirely adhere to the quality standards are allowed to go, while even a small change from the estimated level results in immediate ejection for the defective lots.



ACCOLADES AND CERTIFICATIONS

- Acceptance and recognition by leading industries in India who regularly use our Chlorinated Paraffin(CPW).
- ISO 9001:2008 accreditation.

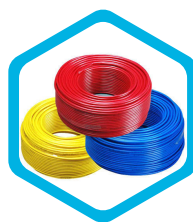


EXPORT

With phenomenal client base in India, we have expanded our horizons by exporting CPW to various neighboring countries. We understand that every market has different demands, Therefore, before entering to any particular market, we evaluate the market & develop a comprehensive plan of execution With up-to-the-minute manufacturing facility form quality control, we leave no stone unturned to satisfy our customers.

Applications

- PVC Compounds, Footwear
- PVC Tubing Pipes (Irrigation & gardening pipes)
- PVC Wires Cables
- PVC Toys
- Leather Processing
- Paints



Hydrochloric Acid (HCL)

Hydrochloric acid is a clear, colorless, highly pungent solution of hydrogen chloride (HCL) in water. It is a highly corrosive, strong mineral acid with many industries use. Hydrochloric acid is found naturally in gastric acid It was historically called acidum salis, muriatic acid, and spirits of salt because it was produced from rock salt and green vitriol and later from the chemically similar substances common salt and sulfuric acid. With major production starting in the Industrial Revolution, hydrochloric acid is used in the chemical Industry as a chemical reagent in the large-scale production of vinyl chloride for PVC plastic, and MDI/TDI for polyurethane. It has numerous smaller-scale applications, including household cleaning, production of gelatin and other food additives, descaling, and leather processing.

Applications

- Pickling of M.S items.
- Manufacture of gelatin.
- Manufacture of chlorides.
- Manufacture of pesticides.
- Manufacture of dye intermediate.
- Manufacture of pharmaceutical preparations.
- Manufacture of ppt silica.
- Manufacture of rubber chemicals.

Packing

- HCL is supplied in rubber lined loyry tankers.

Products

Chlorinated Paraffin (CPW)

- Secondary Plasticizer for PVC and PVC Copolymers.

Chlorinated Paraffins (CPW) or straight chain hydrocarbons that have been chlorinated. Chlorinated Paraffins are classified according to their carbon-chain length and percentage of chlorination, with carbon-chain lengths generally ranging from C 10 to C 30 and chlorination from approximately 35% to greater than 70% by weight. Chlorinated Paraffins are made by chlorinated paraffins fractions obtained from petroleum distillation. The three most common commercial feedstocks used are paraffins with carbon number range of Short chain (C10-13), Intermediate-chain (C 14-17) and Long-chain (C 18-30).

Chemicals Nature

Chemical Name : Chlorinated Paraffin

Grades : Chlorinated Paraffin 40%-65%

Molecular Structure: $\text{CH}_2\text{-CH-Cl-CH}_2\text{-CH-Cl-CH}_2\text{-CH-Cl-CH}_2\text{-CH-Cl-CH}_2\text{-CH-Cl-CH}_2\text{-CH}_2$

Specification Table

Sl.No.	Parameter	Test Method	Grade	Grade
1.	Chlorine Content %	ISI-1448-77	40-65	40-65
2.	Color in Hazen Units (HU)	ASTM-D-1045-86	60 max.	70 max.
3.	Specific Gravity @30°C	ASTM-D-1045	1.10-1.50	1.15-1.55
4.	Viscosity @27°C, Paise	ASTM-D-445	0.5-1500	0.5-1500
5.	Free Mineral Acidity as mg KOH/gm	KOR/QCD/FP-1.5	0.001 max	0.001 max
6.	Free Chlorine, %	ISI-9189-79	Nil	Nil
7.	Heat Stability @180°C for 20 min.	KOR/QCD/FP-1.9	Yellow	Light Yellow
8.	Thermal Stability after 4 hrs. @175°C	KOR/QCD/FP-1.8	0.10 max.	0.10 max.
9.	Volatile loss @180°C for 4hrs., % by mass	KOR/QCD/FP-1.7	0.5-4	0.5-3
10.	pH Value of 10% aqueous extract	KOR/QCD/FP-1.11	6.0± 0.5	6.0± 0.5
11.	Refractive Index @27°C	ASTM-D-1807	1.483±.002	1.483±.002

Properties : Chlorinated Paraffins (CPW) is offered in various grades in respect of percentage of chlorination ranging from 40% to 65%. Viscosity increases with increase in percentage of chlorine. All grades of CPW are colorless to slightly yellowish oily viscous liquid, free of foreign materials and are insoluble in water but soluble in benzene toluene etc. and have extremely low vapour pressure.

Packaging: 250kgs each in HDPE Barrels/Mild Steel Drums.



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