

Delivering Through Technology

Manufacture & Exporter of chlorinated
Paraffin and Hydrochloric Acid



60,000+

MT/Annum

Chlorinated Paraffin Capacity

25+

Years of
Experience

\$30
Million

Annual
Sales

OVERVIEW

FLOW TECH GROUP

Flow Tech Group is a pioneer in manufacturing Chlorinated Paraffin and Hydrochloric Acid. We are also one of the leading exporters and suppliers of these chemicals globally. Established in 1993, we have created a strong foothold in both the domestic and international markets. We are proud to offer the best quality Chlorinated Paraffin for a wide range of applications. Our manufacturing facilities are set up at prominent locations in Punjab, Haryana and West Bengal. Each of these production units is equipped with the most advanced technology and facilities that help us maintain superior product standards. We are extremely proud of our world-class R&D facilities that help us enhance our performance continuously over time. Besides dominating the market with best in class chemical products, we equally strive to achieve customer satisfaction and trust which is of utmost importance. We at Flow Tech go beyond business and believe in sustainability. It is a core value that is imbibed into all our business activities and social responsibility venture. Our vision is not only excellence in manufacturing but also in our initiatives.

HISTORY

2016

As a part of Real Estate vertical, started Flow Tech Industrial Projects Pvt. Ltd at Jatola, Haryana

Inside Punjab Alkali Chemicals Limited, established Flow Tech Chemicals Pvt. Ltd. at Nangal, Punjab

2015 – 2018

2006 – 2009

Inside Durgapur Chemical Limited, established Tara Mercantile Pvt Ltd at Durgapur, Kolkata

Acquired VS Polymers Pvt. Ltd. Dera Bassi, Punjab

2005

2003

Acquired Prayag Chemicals Pvt. Ltd. at Panchkula, Haryana

We started another unit of Flow Tech Chemicals Pvt. Ltd at Rajpura, Punjab

1999

1993
ESTABLISHED

With an unusual passion and enthusiasm, we started our business in 1993 by establishing and acquiring an existing unit called Flow Tech Chemicals Private Limited at Bahadurgarh, Haryana



Our Products

Chlorinated Paraffin and its Applications

Chlorinated Paraffin is manufactured by halogenation reaction of Paraffin Oil (Alkane Chain) with Chlorine gas. It is a transparent viscous liquid having distinct sweet odor, and insoluble in water but soluble in other chlorinated solvents. Chlorinated Paraffin is classified according to percentage of chlorination, with chlorination ranging from 40% to 70% by weight.

Applications

Used as a secondary plasticizer and flame retardant in:



- PVC Compounds
- Cables
- Flexible CPVC Pipes
- Footwear
- Flooring
- Films
- Artificial Leather
- Paints
- Adhesives

Acts as an Extreme Pressure Additive for Lubricants and Metal Working Fluids.

Reasons for Usage

Acts as Flame retardant:

Since Chlorinated Paraffin is resistant to flame and bears a low cost, they are used in the manufacturing of upholstered furniture, rubbers, plastics, adhesives and any other areas where fire-resistant properties are needed.

Imparts Low-temperature flexibility:

Chlorinated Paraffin encompasses low temperature flexibility, which is the reason why these chemical compounds are also added to products such as flooring material, wire and cable insulation, garden hose and plastic, where high flexibility is needed.

Chemical Resistance:

With it being resistant to both water and fire, it has an application in the manufacturing of all types of paints, coatings, and sealants. These paints and sealants are often used in traffic markers and marine equipment.

Stain Resistance:

Wherever there is a need for certain aesthetic like flooring, wall covering, and upholstery, Chlorinated Paraffin is favored for use. In comparison, use of sulfur additives can stain metals and cause rancidity.

Our Products

Product Specifications

H-FTCHLOR							
Brand							
TECHNICAL SPECIFICATION	TEST METHOD	45S	45P	52S	52P	62S	62P
Colour (HU)	ASTM D-1045-86	100 Max	100 Max	100 Max	100 Max	100 Max	100 Max
Chlorine Contents %	ISI-1448-7	43 - 47	43 - 47	50 - 54	50 - 54	58 - 62	58 - 62
Specific Gravity at 30 °C	ASTM D-1045	1.19 - 1.23	1.18 - 1.22	1.27 - 1.31	1.27 - 1.30	1.38 - 1.41	1.37 - 1.40
Viscosity at 27 °C (Poise)	ASTM D-445	2 - 4	2 - 5	8 - 25	10 - 30	200 - 650	300 - 700
Volatile loss @ 180 °C for 4 hrs, percent by mass	FT/QCD/FP-1.7	4 Max	3 Max	3.25 Max	3 Max	2.5 Max	2.5 Max
Thermal Stability after 4 hrs @ 175 °C	FT/QCD/FP-1.8	0.1	0.1	0.1	0.1	0.1	0.1
Heat Stability at 180 °C for 20 min	FT/QCD/FP-1.9	Yellow	Yellow	Yellow	Yellow	Yellow to Light Brown	Dark Yellow
PH Value of 10% aqueous extract	FT/QCD/FP- 1.11	6 - 6.5	6 - 6.5	6 - 6.5	6 - 6.5	6 - 6.5	6 - 6.5
Refractive Index @ 27 °C	ASTM D-1807	1.493 - 1.497	1.493 - 1.497	1.498 - 1.5002	1.498 - 1.5002	1.529 - 1.532	1.529 - 1.532
Free mineral Acidity as mg KOH/gm	FT/QCD/FP-1.5	0.001 Max	0.001 Max	0.001 Max	0.001 Max	0.001 Max	0.001 Max

N-FTCHLOR					
Brand					
TECHNICAL SPECIFICATION	TEST METHOD	45S	52S	62S	70
Colour (HU)	ASTM D-1045-86	80 Max	80 Max	80 Max	70 Max
Chlorine Contents %	ISI-1448-77	43 - 47	50 - 54	58 - 62	68 - 72
Specific Gravity at 30 °C	ASTM D-1045	1.19 - 1.23	1.27 - 1.31	1.38 - 1.41	1.48 - 1.52
Viscosity at 27 °C (Poise)	ASTM D-445	0.5 - 1	5 - 15	40 - 100	800 - 2000
Volatile loss @ 180 °C for 4 hrs, percent by mass	FT/QCD/FP-1.7	7 Max	4 Max	2.8 Max	1 Max
Thermal Stability after 4 hrs @ 175 °C	FT/QCD/FP-1.8	0.1	0.1	0.1	0.1
Heat Stability at 180 °C for 20 min	FT/QCD/FP-1.9	Yellow	Dark Yellow	Dark Yellow to Light Brown	Dark Yellow to Light Brown
PH Value of 10% aqueous extract	FT/QCD/FP- 1.11	6 - 6.5	6 - 6.5	6 - 6.5	6 - 6.5
Refractive Index @ 27 °C	ASTM D-1807	1.493 - 1.497	1.498 - 1.5002	1.529 - 1.532	1.532 - 1.537
Free mineral Acidity as mg KOH/gm	FT/QCD/FP-1.5	0.001 Max	0.001 Max	0.001 Max	0.001 Max



Our Products

Hydrochloric Acid

Also known as muriatic acid, Hydrochloric acid is an aqueous solution of Hydrogen Chloride gas. Produced from the chlorination of organic chemicals, it is a colorless liquid used in many different applications such as the production of chlorides, ore processing, food manufacturing and production of metals like tantalum and tin. It is a strong acid and often used in the neutralization of a basic system.

Product Description

- Hydrochloric Acid is a strong acid and is a colorless to yellow liquid, with a pungent odor.
- Molecular Weight: 36, 47
- EC Number: (EINECS) 231-595-7
- UN Number: 1789
- CAS Number: 7647-01-0



Group Companies



Corporate Office

314-315 PP Towers, Netaji Subhash Place, Pitampura, Delhi-110034, India

M/S Prayag Chemicals Pvt. Ltd

Plant

Vill + P.O. – Khatauli, Rai
Purani-Toka Road, Distt Panchkula,
Haryana-134118

M/S Flow Tech Chemicals Pvt. Ltd.

01 Plant

Plot No.1-A, Siel Industrial Estate,
CPW Complex, Vill- Dabanheri,
Rajpura, Distt. Patiala,
Punjab-140401

02 Plant

PACL Campus, UNA Road, Naya
Nangal, Dist. Ropar-Punjab

03 Plant

57 KM Milestone. Ismaila, Delhi –
Rohtak Road Haryana, India

M/S V.S. Polymers Pvt. Ltd.

Plant

Vill- Kuranwala, Barwala Road, Dera
Bassi, Distt. Patiala, Punjab

M/S Tara Mercantile Pvt. Ltd.

Plant

DCL Campus, Hahnemann Sarani,
District Burdwan, Durgapur West
Bengal

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