



Paper Tex Speciality Chemicals (P) Ltd.

LET YOUR
ambitions
SET SAIL, WITH OUR
expertise



Paper Tex Speciality Chemicals (P) Ltd.

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SAIL THROUGH THE TOUGH,
**with our best
formulations.**

Challenges and risks lay ahead on one's voyage to excellence. For smooth sailing, one needs the support of experts. Our specialty chemicals formulated after years of research have surely carved a niche for themselves in the papermaking process. With their consistent quality and custom solution, they have helped our clients to create standard products that make them stand out in their industry. Be it any sort of assistance, technical or non-technical, we have stood by them as constant partners in their journey towards success.

**anchored
with purpose,**
SINCE THE INCEPTION.

In 2014, Papertex Specialty Chemicals Ltd. was started to manufacture chemicals for the paper, water treatment. The vast range of chemicals includes paper chemicals for sizing, retention aid, fixatives, defoamers, fillers, wet strength & dry strength chemicals used in the paper industry. To deliver the best quality products at cheaper rates, our plants are equipped with the latest technology and the best machinery. Our qualified staff of engineers, MBA graduates, and the technical sales team, all contribute to the successful promotion and sales of our products. At Papertex, we also have a trading division that deals in all types of paper and paper boards and is a great support to our manufacturing division as customers get benefitted by selling their products and procuring their critical raw materials from a single source.

vision

- To make Papertex Specialty Chemicals Ltd. a global company that offers the best quality products in the market.
- Revolutionise the papermaking industry with automation and develop friendly processes for faster production of the paper.

mission

- To efficiently provide all sorts of technical expertise and quality chemicals that enhances the strength and durability of the papers used in various industries.



Installed
Capacity of
3000 MT/Month



Company's
Transportation for
Effective Supply Chain



Consistent Quality
and Performing
Products



Well Backed
Up Technical
Support

BUSINESS
timeline

Achieved a minimal
market share of North
India and moved towards
diversifying and exploring
other markets.

Stabilised and started the
manufacturing facility of
other chemicals like
DSR,WSR etc.

2016

2015

Began to capture the
market percentage slowly.

2017

Entered into
Bangladesh and South
African Markets

2018

2019

Diversified into new
chemicals and took up
a big project of ASA
launch in INDIA.



PRODUCT NAME

PTSC A-16

Technical Specification Sheet

PTSC-A16 is a standard starch-stabilized, alkyl ketene dimer (AKD) size dispersion, for the sizing of paper under alkaline conditions. PTSC-A16 AKD Emulsion which is a reactive size and is a highly efficient sizing chemical.

Product	PTSCA-16
Appearance	Milky white emulsion
pH	3 – 4
Specific Gravity at 30°C	1 - 1.2
Total Solids (min.)	15±1%
Emulsion Charge	Cationic
Shelf Life	90 days

Application

The cationic starch which stabilizes PTSC- A16 has excellent substantively for papermaking fibers under neutral and alkaline conditions, ensuring that the size is well retained. During the drying of the paper, the AKD wax melts and spreads over the surface of the fibers, where it undergoes an esterification reaction. The reacted AKD is thus bonded to the fibers with the hydrophobic portions of the molecule orientated away from the fiber surface, giving the sizing effect.

CHEMICAL NAME

AKD WAX EMULSION

Material Safety Data Sheet

This chemical is declared in “NON-HAZARDOUS” category

Chemical Handling Instruction

- Wear protective gloves
- Wear protective shoes - Spilled substance increases risk for slipping

Action in case of contact with Chemical

- Wash with plenty of soap & water
- Does not cause harm/irritation to skin
- In case of swallowing of the chemical immediately allow vomiting & contact doctor

Fire-Fighting Measures

Use Fire Extinguisher Grade “B”

Use respiratory protection independent of recirculated air.

Ecological Information

Effects in sewage treatment plants (bacteria toxicity: respiration / reproduction inhibition) according to present experience, no adverse effects on water purification plants.

PRODUCT NAME

PTC-A19 AKD WAX EMULSION

PTC-A19 AKD (Alkyl Ketene Dimer)

PTC-A19 is a standard starch-satabilised, alkyl ketene dimer (AKD) size dispersion, for the sizing of paper and board under alkaline conditions. All products have a low ketone content, and display low agglomeration. At normal dosage levels, PTC-A19 products do not significantly quench optical brightening agents (OBAs, FWAs) so they are particularly suitable for use when whiteness is important, such as in uncoated fine papers.

PTC-A19 AKD Emulsion which is a reactive size and is a highly efficient sizing chemical. It is specifically designed to enhance drainage and optimize sizing efficient in most paper making systems. We manufacture different grades of AKD Emulsion different types of papers. Our emulsion are uniquely formulated to work effectively paper industry. These Emulsion provides excellent resistance to a wide variety of penetrates and react directly with cellulose ro provide sizing. In India, we are one of the leading manufactures and exporter of AKD Wax Emulsion. We manufactures various grades of AKD Emulsion for Different types of paper and specifications for one of grade is as follows.

Chemical Nature

- Alkyl Ketene Dimer
- Physical form: White Emulsion
- Lonic charge: Cationic

Product Characteristics

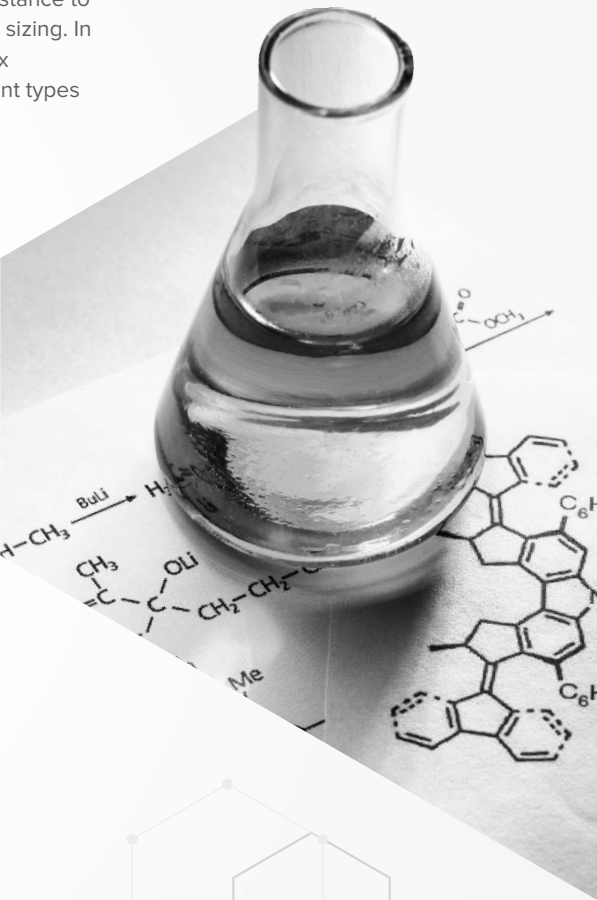
Product	CAUSTIC SODA
Appearance	Milky white emulsion
pH	3 - 4
Specific Gravity at 30°C	1 - 1.2
Total Solids (min.)	18.5±19%
Emulsion Charge	Cationic
Shelf Life	90 days
Particle Size	80% Less than 1 Micron

Applications

The cationic starch which stabilize PTC-A19 has excellent substantivity for papermaking fibres under neutral and alkaline conditions, ensuring that the size is well retained. During the drying of the paper, the AKD wax melt and spreads over the surface of the fibres, where it undergoes an esterification reaction. The reacted AKD is thus bonded to the fibres with the hydrophobic portions of the molecule oriented away from the fibre surface, giving the sizing effect.

Benefits

- Provides economical sizing performance in most grades of paper and paperboard Excellent substantively due to the stabilizing cationic starch
- No significant quenching of OBA/FWA
 - Good curing rates
 - Works at pH range of 7.1 - 7.5
 - Low foaming characteristics.
 - Compatible with retention & drainage aid systems, and especially the advanced microparticle technologies Added to the thick stock at a point of high shear for optimum distribution in the stock.



PRODUCT NAME

PTSC A-22

Technical Specification Sheet

PTSC-A22 is a standard starch-stabilized, alkyl ketene dimer (AKD) size dispersion, for the sizing of paper and board under alkaline conditions. PTSC-A22 AKD Emulsion which is a reactive size and is a highly efficient sizing chemical.

Product	PTSCA-16
Appearance	Milky white emulsion
pH	3 - 4
Specific Gravity at 30°C	1 - 1.2 gm/cc
Total Solids (min.)	22±1%
Emulsion Charge	Cationic
Shelf Life	90 days

Application

The cationic starch which stabilizes PTSC- A22 has excellent substantively for papermaking fibers under neutral and alkaline conditions, ensuring that the size is well retained. During the drying of the paper, the AKD wax melts and spreads over the surface of the fibers, where it undergoes an esterification reaction. The reacted AKD is thus bonded to the fibers with the hydrophobic portions of the molecule orientated away from the fiber surface, giving the sizing effect.

CHEMICAL NAME

AKD WAX EMULSION

Material Safety Data Sheet

This chemical is declared in "NON-HAZARDOUS" category

Chemical Handling Instruction

- Wear protective gloves
- Wear protective shoes - Spilled substance increases risk for slipping

Action in case of contact with Chemical

- Wash with plenty of soap & water
- Does not cause harm/irritation to skin
- In case of swallowing of the chemical immediately allow vomiting & contact doctor

Fire-Fighting Measures

Use Fire Extinguisher Grade “B”

Use respiratory protection independent of recirculated air.

Ecological Information

Effects in sewage treatment plants (bacteria toxicity: respiration / reproduction inhibition) according to present experience, no adverse effects on water purification plants.

PRODUCT NAME

P FIX

Technical Specification Sheet

P-FIX is a copolymer of epichlorohydrin and alkylamine which extends high cationicity to the fiber to neutralize its anionicity to reduce its potential difference with respect to the ionic charge of AKD molecule, in order to fix the AKD molecule to the fiber being used in paper production.

Product	P FIX
Appearance	Colorless Liquid
pH	5±1
Specific Gravity at 30°C	1.11±0.02
Total Solids (min.)	50 ±1
Emulsion Charge	Cationic
Shelf Life	6 Month

Application

P-FIX is recommended to use after dilution with fresh water in any concentration preferably 50-300 GPL in thick stock of pulp. The best point of addition is thick stock line which leads to Fan pump or suction of machine chest pump.

Solution Preparation

Water is to be added into the chemical, Not Vise-Versa

CHEMICAL NAME

COPOLYMER OF EPICHLOROHYDRIN AND ALKYLAMINE

Material Safety Data Sheet

This chemical is declared in "NON-HAZARDOUS" category

Chemical Handling Instruction

- Wear protective gloves
- Wear protective shoes - Spilled substance increases risk for slipping
- Do not flush with water. Dam up. Soak up with neat absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.

Action in case of contact with Chemical

- Wash with plenty of soap & water
- Does not cause harm/irritation to skin
- In case of swallowing of the chemical immediately allow vomiting & contact doctor

Fire-Fighting Measures

Use Fire Extinguisher Grade “B”

Use respiratory protection independent of recirculated air.

Ecological Information

Effects in sewage treatment plants (bacteria toxicity: respiration / reproduction inhibition) according to present experience, no adverse effects on water purification plants.



PRODUCT NAME

P FLOC

Technical Specification Sheet

P-FLOC is a cationic polyacrylamide powder to serve the purpose of retention of fines and fillers in paper & board production.

Product	PTSCA-16
Appearance	White to off white powder
pH (0.2% solution)	7±1
Bulk density	0.80 g/ml
% NVS	90 ±5
Emulsion Charge	Cationic
Shelf Life	12 Month

Application

P-FLOC is recommended to be used after preparing the solution in a range maximum up to 5 GPL concentrations and the final concentration at the point of addition should be 0.5 GPL. The best point of addition is in thin stock either before or after the pressure screen depending upon the machine response.

Solution Preparation

To prepare a ready to use polymer solution it is recommended to use suitable make-down equipment which provides a homogenous and lump free solution and a minimum holding time of 60 minutes prior to application. In-line filtration of the polymer solution is recommended.

CHEMICAL NAME

COPOLYMER OF ACRYLAMIDE /ETHANAMINIUM N,N,N-TRIMETHYL-2-(1-OXO-2-PROPENYL) OXY CHLORIDE.

Material Safety Data Sheet

This chemical is declared in "NON-HAZARDOUS" category

Chemical Handling Instruction

- Wear protective gloves
- Wear protective shoes - Spilled substance increases risk for slipping
- Do not flush with water. Dam up. Soak up with neat absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.

Action in case of contact with Chemical

- Wash with plenty of soap & water
- Does not cause harm/irritation to skin
- In case of swallowing of the chemical immediately allow vomiting & contact doctor

Ecological Information

Fish - LC50/Fathead minnows/96h>1000mg/l

Algae - EC 50 / Selenastrum capricornutum /96h >500 mg/l

Bioaccumulation - The product is not expected to bio accumulate.

Degradability / Persistence - Readily biodegradable

PRODUCT NAME

P MICRO-P

Technical Specification Sheet

P-MICRO-P is an anionic copolymer of acrylamide/ sodium acrylate to enhance drainage phenomenon without affecting the formation of paper and board.

Product	P MICRO-P
Appearance	Viscous Milky Liquid
pH (0.2% solution)	7±1
Bulk density	1.0±0.05
% NVS	37±3
Emulsion Charge	Anionic
Shelf Life	6 Month

Application

P MICRO-P is recommended to be used after preparing the solution in range of maximum upto 5 GPL concentrations and the final concentration at the point of addition should be 0.5 GPL. The best point of addition is in thin stock after the pressure screen and after the point of addition of retention aid.

Solution Preparation

To prepare a ready to use polymer solution it is recommended to use suitable make-down equipment which provides a homogenous and lump free solution and a minimum holding time of 60 minutes prior to application. In-line filtration of the polymer solution is recommended.

CHEMICAL NAME

COPOLYMER OF ACRYLAMIDE / SODIUM ACRYLATE

Material Safety Data Sheet

This chemical is declared in "NON-HAZARDOUS" category

Chemical Handling Instruction

- Wear protective gloves
- Wear protective shoes - Spilled substance increases risk for slipping
- Do not flush with water. Dam up. Soak up with neat absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.

Action in case of contact with Chemical

- Wash with plenty of soap & water
- Does not cause harm/irritation to skin
- In case of swallowing of the chemical immediately allow vomiting & contact doctor

Ecological Information

Fish - LC50/Fathead minnows/96h>1000mg/l

Algae - EC 50 / Selenastrum capricornutum /96h >500 mg/l

Bioaccumulation - The product is not expected to bio accumulate.

Degradability / Persistence - Readily biodegradable



PRODUCT NAME

P-SIZEX 25

Technical Specification Sheet

It is compatible with the non-ionic and anionic auxiliaries that are applied to paper in the size press/metering size press. P-SIZEX 25 has no detrimental effects on brightness, and it does not impair the fluorescent activity of optical brighteners.

Chemical nature - Styrene acrylate dispersed emulsion.

Physical Form - Mobile, yellow brownish dispersion.

Product	P-SIZEX 25
Solids content (DIN ISO 1625-D)	25±2%
Ionic charge	Anionic
pH	4.0±1

Compatibility

P-SIZEX 25 can be combined with starch, direct dyes, acid dyes, fluorescent brighteners and other anionic and non-ionic substances, but it is always advisable to take the precaution of testing its compatibility in advance.

Application

P-SIZEX 25 is usually applied in the size press / metering size press in combination with starch, but it can also simply be diluted with water. It can be added in batches or continuously, the latter method being more versatile in that it enables levels of addition to be adjusted more quickly as circumstances demand. The paper does not necessarily have to be sized at the wet end before P-SIZEX 25 is applied, but this can be an effective means of controlling the extent to which the size solution is able to penetrate. The recommended concentration 5 g/l and 20 g/l of P-SIZEX 25 are required for hard-sized paper, if it is applied on size press in water, depending on factors such as whether any size is added at the wet end, etc.

PRODUCT NAME

P-SIZEX-30

Technical Specification Sheet

It is compatible with the nonionic and cationic auxiliaries that are applied to paper in the size press/metering size press.

P-SIZEX-30 has no detrimental effects on brightness, and it does not impair the fluorescent activity of optical brighteners.

Chemical nature - Styrene acrylate dispersed emulsion.

Physical Form - Mobile, yellow brownish dispersion.

Product	P-SIZEX 30
Solids content (DIN ISO 1625-D)	28±2%
Ionic charge	Cationic
pH	4.0±1

Compatibility

P-SIZEX-30 can be combined with starch, direct dyes, acid dyes, fluorescent brighteners and other anionic and nonionic substances, but it is always advisable to take the precaution of testing its compatibility in advance.

Application

P-SIZEX-30 is usually applied in the size press / metering size press in combination with starch, but it can also simply be diluted with water.

It can be added in batches or continuously, the latter method being more versatile in that it enables levels of addition to be adjusted more quickly as circumstances demand.

The paper does not necessarily have to be sized at the wet end before P-SIZEX-30 is applied, but this can be an effective means of controlling the extent to which the size solution is able to penetrate.

The recommended concentration 5 g/l and 20 g/l of P-SIZEX-30 are required for hard-sized paper, if it is applied on size press in water , depending on factors such as whether any size is added at the wet end, etc.

This can be combined with starch in concentrations between 20 g/L and 130 g/L.



PRODUCT NAME

PTSC DSR

Introduction

Our firm is offering Dry Strength Resin to our highly valued clients. It is most suitable product for short fiber pulp like Bagasse, Straw, Waste paper, Bamboo, hard wood etc. It also improves strength properties like burst factor, stiffness, breaking length, ply bonding, tear factor of Kraft, Duplex board and writing and printing paper also increases machine run ability. It improves retention of fillers and eliminates press picking problem of paper.

Specifications

Product	PTSC DSR
Appearance	Colourless viscous liquid
Generic Name	Copolymer of Acrylamide/Ethanaminium N,N,N-trimethyl-2-(1-oxo-2-propenyl)oxy chloride
Ionic Character	Cationic
Charge Density	Mediuim
Brookfield Viscosity (cps)	3500 - 6000
Average % NVS	13.5 - 16.5
Specific Gravity	1.00 - 1.10
Freezing Point	3 °C below 0 °C
Storage Temperature °C	0° C - 35 °C
Shelf Life (Months)*	6 months
*when stored inside a building at a stable temperature between 5° and 30°C	

Packing Sizes

Product	PTSC DSR
HDPE Drums	200 Kgs.
Other dimensions	On request

PRODUCT NAME

PTSC WSR 3632

Product Description

PTSC WSR 3632 Wet Strength Resin PTSC WSR 3632 is a cationic polyamide wet strength resin supplied as an aqueous solution containing Approximate 12.5% solids. When applied under acidic or alkaline stock conditions, PTSC WSR 3632 will efficiently increase the wet strength properties of finished paper or paperboard products. Use and Application PTSC WSR 3632 resin is highly effective for developing wet strength in facial tissue, napkins, towels, carrier board, liquid packaging, bag paper, linerboard, medium, and other specialty papers. PTSC WSR 3632 performs over a broad pH range of 4.0 – 9.0 (with best efficiency between 6.5 – 8.0) in the presence of normal papermaking additives. Typical furnish levels range from 0.2 to 0.75% (dry basis), which is dependent upon the wet strength level desired and the grade being manufactured. PTSC WSR 3632 can be added to either the thin or thick stock systems. Best results are achieved with sufficient random dilution and maximum available stock agitation at the point of addition. PTSC WSR 3632 should be added after rosin size and alum addition.

The wet strength is not fully developed by the time a paper product reaches the end of a paper machine, and strength continues to develop as the paper is stored. The rate of curing is affected by the temperature and the length of time in contact with heat. The bonds that are eventually formed are not readily broken under either acid or slightly alkaline conditions, and the wet strength is therefore permanent. Whilst this can be an advantage in certain applications, it does make the paper or paperboard more difficult to disintegrate. However, the difficulties for the disintegration of WSR -treated paper have not been reported practically when the dosage level of WSR resin is below 4%.

Technical Data

Product	PTSC WSR 3632
Appearance	Pale yellow
Ionic character	Cationic
Total solid %	12 - 14%
pH	3.0 - 5.5
Viscosity - cps (at 25°C)	10 - 100

Benefits

- Effective at the pH 4 to 8, optimum wet strength is obtained in a neutral or slightly alkaline medium.
- It is used extensively in all types of wet-strength papers. e.g paper towels, napkins, facial tissue, and packaging materials like liquid packaging, corrugated boxes, paper bags, and specialties such as photographic papers, wrappings and disposables.

Safety

According to the experience we have gained over many years and other information they do not exert any harmful effect on health, provided they are used properly. For details go through the safety data sheet

Handling & Storage

Should be stored in original packaging in cool and dry place, away from sources of heat, flame and direct sunlight, this product will be stable for at least 24 months.

Standard Package

PTSC WSR 3632 is delivered in 225 kg HDPE drum. other packing sizes on request



PRODUCT NAME

PTSC CREPE 6188

Product Description

PTSC CREPE 6188 is an oil based crepe release aid containing a blend of oils, esters and nonionic surfactants that makes this product easily emulsify in water. PTSCCREPE 6188 is specifically formulated as an effective crepe release in the manufacturing of tissue and towel products. It is compatible with all commercial crepe adhesives, to provide the proper balance for effective creping.

Features

- Excellent releases
- Effective in hard water
- Excellent lubrication
- Economical - concentrated product
- Increases blade life
- Complies with FDA regulations 21 CFR 176.170 and 176.180

Product	PTSCA-16
Appearance	Clear to Slightly Hazy, Yellow - Amber Liquid
Flash Point	> 100°C
Specific Gravity (25°C)	0.88 - 0.94
Solubility (Water)	Emulsify

*The product properties are not intended as quality control specifications

Guidelines for use

PTSCCREPE 6188 is applied through the spray boom onto the Yankee dryer surface. Our representative will recommend the optimum dosage rates and delivery system required for your process.

Handling and Compatability

Diaphragm pump with Teflon diaphragm, PVC, 316 SS drum transfer or air diaphragm pumps are recommended for feeding. Refer to Safety Data Sheet containing detailed information relative to this product before handling.

Regulatory Information

PTSC CREPE6188 is manufactured in compliance with the regulations of 21 FDA 176.170 and 176.180.

Packaging and Storage

PTSC CREPE 6188 is available in 210-litre capacity drum and 1,000-litre capacity tote bin. PTSC CREPE 6188 should be stored at 10 - 40 ° C .Recommended shelf life is 12 months from the date of manufacturing.

Let us join hands together to create solid solutions that bring revolution in the paper industry. At every phase of our chemical formulation, we strive to achieve excellence and thereby, offer only the best to our esteemed clients.

Disclaimer

The above information describes exclusively the safety requirements of the product (s) and is based on our present day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.