



Poly-Era Chemicals Sdn Bhd (677840-A)



**FORMER
CLEANERS**



**POLYMER
COATINGS**



**ANTI-TACK
COAGULANT**



**SPECIALTY
CHEMICALS**

**CHEMICAL
SOLUTIONS**
FOR YOUR
GLOBAL
SUCCESS



**BEACON OF
QUALITY & RELIABILITY**

COMPANY PROFILE

Poly-Era Chemicals Sdn Bhd specializes in the formulation of blended chemicals for the latex dipping industry and has been doing so since 2005 when it was first established.

Our activities have diversified to:

Consultancy services relating to the manufacturing of gloves, condoms, finger cots, balloons, etc.

The design of machineries for the glove and condom industries.

The setting up of centrifuged latex and block rubber factories.



VISION

Our roadmap is one which is enduring. It declares our commitment to a new era of product innovation and technology.

MISSION

It is **Poly-Era Chemicals'** mission to surpass customers' expectations by continuously improving the quality and cost-effectiveness of our products and our delivery through symbiotic collaboration.

TEAM

Poly-Era Chemicals' technical expertise is a consequence of having a team with a cumulative experience of more than 90 years in the latex dipping industry, machinery fabrication, centrifuged latex production and the Standard Malaysian Rubber (Block Rubbers).

With such extensive expertise, our team is able to identify problems for clients and provide tailor-made solutions that will successfully improve their products.

SERVICES

It is **Poly-Era Chemicals'** consultancy services are provided to assist clients in improving their product quality. Our clients are companies involved in the manufacturing of latex gloves, condoms, finger cots, balloons, etc.

Design services are also provided to assist clients in customizing machinery to their needs.

Poly-Era Chemicals provides services in setting up centrifuged latex and block rubber factories.



THE ROUTE FOR YOUR SOLUTIONS

Poly-Era Chemicals Sdn Bhd specializes in the formulation of blended chemicals for the latex dipping industry and has been doing so since 2005 when it was first established. We innovate to meet the demands of an ever-changing glove standards, be it cosmetic or technical, and, to keep up with machinery performance and design.

Through our management team, which has more than a century-long experience behind us, we provide tailor-made advice and solutions to overcome industry problems. Amongst the activities and solutions, the team had carried out, are the following:

1

The conversion of powdered glove producing factories to powder-free glove producing factories.

2

The setting up of a pre-vulcanised latex facility with formulation and commissioning. The pre-vulcanised latex was then utilized in a condom manufacturing plant.

3

The development of a chemical blend which eliminated the white marks on coloured gloves, especially black, for use in the coagulant tank.

4

The provision of technical input in the fabrication and design of the glove dipping line which led to the reduction in glove defects and achieving high passing rates.

5

The changes made for the machinery and process had been minor or major depending on operational parameters and problems which were encountered.

6

The design, construction and commissioning of a latex centrifuged factory was completed as a turnkey project.



PROBLEMS TO SOLUTION & PROJECTS TO COMPLETION

When we receive requests from our clients to rectify a production problem or assistance for a project, we will analyse the requirements needed for such an undertaking. For each situation, we will discuss the task at hand as a team. Then, we will identify the relevant person to be assigned to take charge. The various steps to reach the goal are outlined in Figure 1.

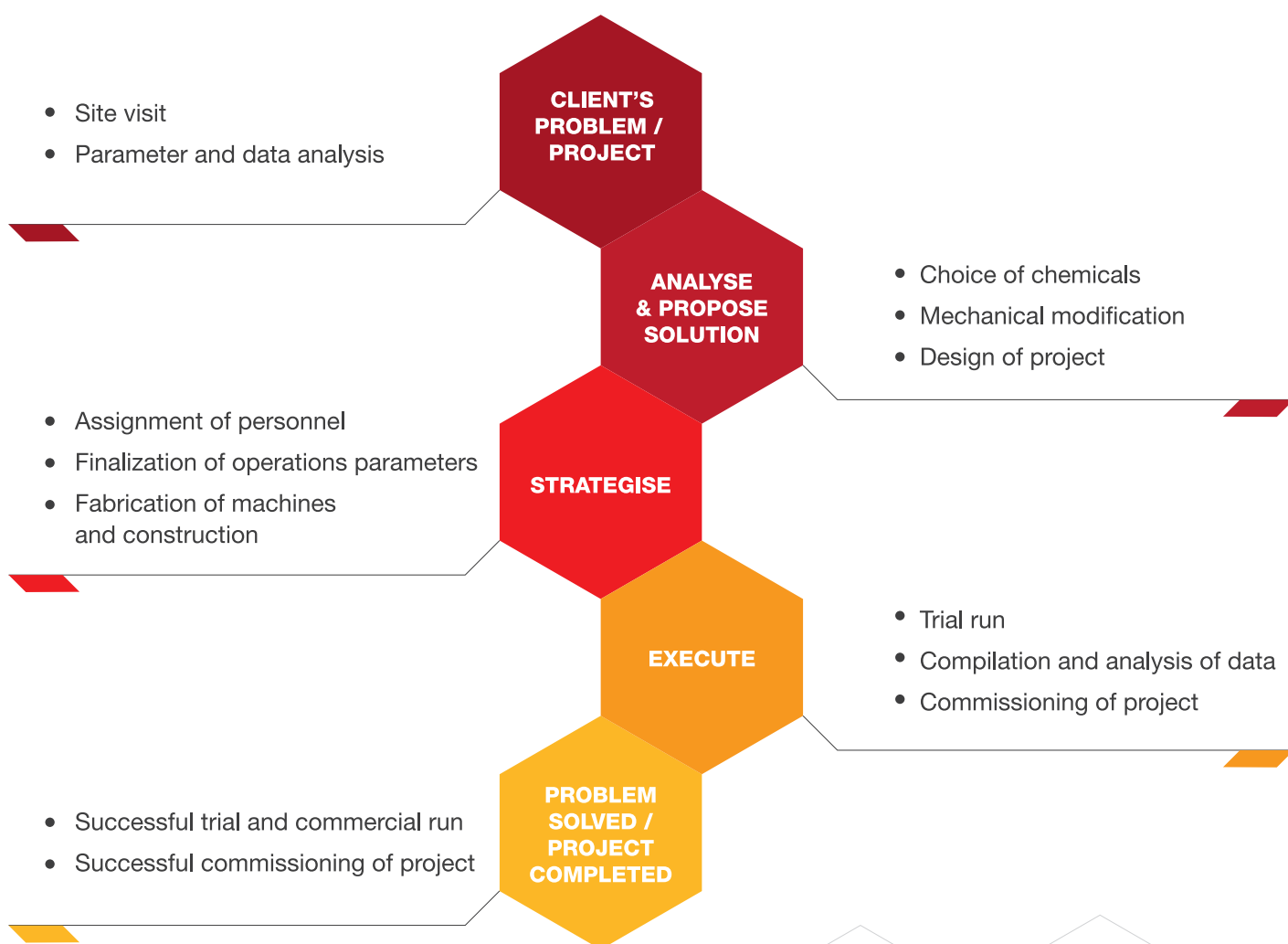


Figure 1



THE MANAGEMENT TEAM



Bill Tan Chwee Hock

Executive Chairman of Poly-Era Chemicals Sdn Bhd.

Graduated with a B.Sc. (Hons.) from University of Malaya, majoring in Chemistry in 1971. Since then, he has worked extensively in the chemical industry. He was involved in the design and construction of Latex Centrifuged and Standard Malaysian Rubber (Block Rubber) factories and had also managed them. Besides this, he was also a visiting chemist for the oil palm mills. For four years, he served as a Technical Manager for a large Corporation in London covering Europe and the USA. With the glove boom in 1990, he provided consultancy for the glove industry and also set up glove factories. In 2005, he initiated a chemical blending company to supply chemicals to the local and then to the overseas customers. In parallel, various overseas projects were undertaken for a latex centrifuged factory and a pre-vulcanised latex production facility for condom manufacturing.

Girlie K. C. Ong

Director of Human Resource and Finance

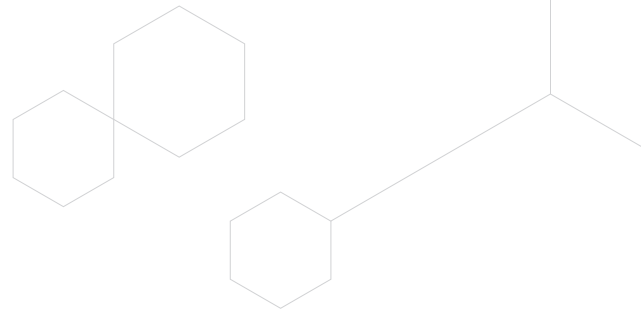
Director managing Human Resource and the Finance of the company and also holds the Administrative helm. She graduated with a B. Ed. (Hons.) from University of London and has a Master's degree from University of Malaya, majoring in English as a Second Language. She was a Principal of a private school and the Language Department Head of a Private Tertiary College. Girlie is the wife of the Executive Chairman.

Johan Bin Sajuri

Managing Director of Poly-Era Chemicals Sdn Bhd

He has 29 years of experience in the Latex Dipping Industries. Before he joined Poly-Era Chemicals Sdn Bhd, he had spent 15 years working in a glove manufacturing factory. During the fifteen years, he held several managerial positions before joining an engineering company which deals with latex dipping machine fabrication. For five years in the engineering company, he was involved in turnkey latex dipping projects in several countries. Johan graduated from Malaysian University of Agriculture (UPM).





THE MANAGEMENT TEAM



Ramli Bin Awang

Executive Director of Poly-Era Chemicals Sdn Bhd

He has 28 years of experience in glove and balloon manufacturing. He was involved in the commissioning of glove lines. He also carries out Research and Development activities for the continuous improvement of the latex dipped products. He has extensive exposure to troubleshoot problems in the glove manufacturing industry.

Peter Soong

General Manager, Marketing Department of Poly-Era Chemicals Sdn Bhd

General Manager, Marketing Department of Poly-Era Chemicals Sdn Bhd for the last five years. Prior to that, he was part of a sales management team of a chemical company promoting specialty chemicals to the glove industry, institutional cleaners and other chemicals. His pertinent experience is serving the glove industry in the development of tailor-made specialty chemicals for thirty years. He graduated from University of the East, Philippines, with a Bachelor of Business Administration, majoring in marketing.



Simon Tan

Technical and Marketing Manager of Poly-Era Chemicals Sdn Bhd

He has over 28 years of hands-on experience in the rubber glove industry. He had commissioned new glove dipping lines. He also handles Research and Development in developing new products and testing them in factories for initial trials. He also troubleshoots to overcome problems in the glove manufacturing industry.

GLOVE DIPPING PROCESS





PRODUCT RANGE

I. FORMER / MOULD CLEANERS

NO.	PRODUCT	DESCRIPTION
1.	PolyAC - S1	An acid-based surfactant cleaner to assist in removal of residual stearates and powder residues off formers.
2.	PolyAC - P2	A new blend of organic acid cleaner to remove powder residues, dirt stains, etc. Designed for easy handling and workers' safety.
3.	Alkaline GB - 12	A durable, specially formulated alkaline former cleaner for effective removal of dirt, protein stains and residual stearates, etc.
4.	PolyClean - EZi	
5.	PolyClean - EZ2	A surfactant reinforced alkaline cleaner for efficient removal of protein stains and residual stearates.
6.	PolyClean - EX100	A non-chlorinated alkaline former cleaner developed for the export market.

II. "ANTI-TACK" COAGULANT ADDITIVES

NO.	PRODUCT	TSC (%)	DESCRIPTION
1.	PolyCoag - 20	20	A unique blend of anti-tack agents to provide a smooth clean feel to the glove surface, and also for female condom.
2.	PolyCoag - SR311	30	A versatile anti-tack agent that caters to both NBR gloves and finger cots.
3.	PolyCoag - SR316	30	
4.	PolyCoag - QP139	20	A new proprietary blend of Potassium Stearates developed for coloured NBR and synthetic gloves.
5.	PolyCoag - QR801	40	A series of hybrid anti-tack agents developed for NR gloves to promote a "clean feel".
6.	PolyCoag - QR801L	40	
7.	PolyCoag - QR802L	40	
8.	G - 88M	40	
9.	PolyCoag - SR400	40	A complex blend of stearates that is simple to prepare, has ease in stripping and the removal of residual stearates off formers.
10.	PolyCoag - SR400E	40	
11.	PolyCoag - SR500	40	
12.	PolyCoag - QP119	40	
13.	PolySnP - 46	40	A special preparation that can reduce the level of calcium carbonate in the coagulant dip tank.
14.	PolySnP - 45	40	A powder reducing additive for the slurry system for a comfortable, soft "powderless" feel.
15.	PolySnP - 45ST	40	



III. SURFACTANTS

NO.	PRODUCT	DESCRIPTION
1.	PolySurf	Versatile wetting agent for use in coagulant and latex system. Easy to prepare. Does not require the use of hot water.
2.	PolySurf - 65	

IV. LATEX STABILIZERS

NO.	PRODUCT	DESCRIPTION
1.	PolyStab	For the control of the stability of latex by minimizing the formation of tiny flocs and coagulated lumps in the latex dipping tank.
2.	Poly - KL20	A ready-to-use Potassium Laurate solution to improve stability in the latex compounding system.

V. POLYMER COATINGS

NO.	PRODUCT	TSC (%)	DESCRIPTION
1.	PolyCoat - ONL702A	20	A series of proprietary blends of aqueous organic polymer dispersions that promote easy donning and excellent slip for on-line coating of NR gloves.
2.	PolyCoat - ONL707	20	
3.	PolyCoat - 300	30	A higher blend of polymer dispersions that can contribute to cost savings in the coating of NR and NBR gloves.
4.	PolyCoat - 301	30	
5.	PolyCoat - ONL30%	30	
6.	PolyCoat - SYN805	30	A special formulation that caters to coloured NBR gloves which eliminates potential defects of flow and stretched marks.
7.	PolyCoat - SF903	20	A silicone-free polymer dispersion for the online coating for both NR and NBR gloves.
8.	PolyCoat - OFL P5	20	An offline polymer coating for NR gloves.
9.	PolyCoat - OFL505	20	A special blend of polymer for the offline coating for both NR and NBR gloves.
10.	PolyCoat - OFL507	20	



VI. OTHERS

NO.	PRODUCT	DESCRIPTION
1.	PolyCide - BT600	A broad spectrum biocide to protect polymers and slurries from bacterial growth and degradation.
2.	PolyCal - 55	A calcium nitrate solution that is well filtered and low in metallic impurities.
3.	PolyWhite - 70	A white aqueous dispersion of Titanium Dioxide.
4.	PolyPW - 03	A proprietary blend of cleaning agents to remove residual chemicals from the glove surface in the pre-wash stage prior to offline chlorination.



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☎ 06 7946 159 / 06 7996 159 / 06 7990 159
📄 06 7993 959
🌐 www.polyerachemicals.com.my
✉ info@polyerachemicals.com.my

📍 22, Jalan Tiara Sentral 1,
Nilai Utama, 71800 Nilai,
Negeri Sembilan, Malaysia.