

CONVERTING SCIENCE TO TECHNOLOGY

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UNION CHEMICALS LANKA PLC





Union Chemicals Lanka PLC (UCLL) is a manufacturing cum trading organization for chemicals & allied products specialized in waterborne polymer dispersions. We are a public quoted company listed in the Colombo stock exchange and a leading supplier of chemical products to Paints, inks, Packaging, Detergents, Cosmetics, Rubber, Latex, Textile, Food and Pharmaceutical industries.

Our company began its chemical manufacturing operation in 1984 under Union Carbide Ceylon Ltd. We remained as an affiliate of Union Carbide Corporation (UCC) until year 2000 after which Dow Chemicals acquired UCC and the company was renamed as Union Chemicals Lanka Ltd. In November 2003, Dow Chemicals divested itself from Union Chemicals Lanka Ltd.

UCLL is the pioneering organization for manufacture of waterborne polymer dispersions in Sri Lanka. The company ventured in to the consumer market through manufacturing a range of waterborne coatings for wood and leather. UCLL represents Dow Chemicals(USA), Eastman (USA), Macropolymers Pte Ltd (India), Dominion Color Corporation(Netherlands), and Sunflag Chemicals(India) for a range of chemical products.

Our focus is always on innovation of technology, development of new products and optimization of processes through people development and empowerment. We employ the latest technology to ensure high quality of our products through process optimization. Our Product Service Center equipped with state of the art laboratory and highly qualified and experienced scientists provides customized solutions to guarantee maximum customer satisfaction.

Our company is certified for ISO 9001:2015 and ISO 14001:2015 and has excelled in areas of quality, safety, productivity and responsible care standard. UCLL has won numerous awards at national level including the National Productivity Gold award, Gold Award for Achiever of Excellence for 2 years and National Industrial Safety award for 3 years.

VISION

To be the most respected Chemical Company in South Asia.

MISSION

We are the most customer focused, quality conscious, preferred supplier of industrial chemicals in our key markets. We empower employees to act as business owners and to be innovative to have a sound and safe work environment whilst ensuring corporate sustainability.



LATEX - ADHESIVES

Product	Polymer Type	Typical Parameters			Recommended Applications	Description
		Solids %	pH	Viscosity Cps		
SL 492 A	Vinyl-acrylic	43-45	4-5	80000-110000	Wood working, Paper packaging & General purpose adhesive	Quick tack, Fast setting & excellent bonding
R160M	Vinyl-acetate	44-46	3.5-4.5	6000-10000	Paper packaging, Book binding, Wood working & General purpose pasting	Quick tack, Fast setting
SL5112A	Vinyl-acrylic	44-46	4.0-5.0	6000-12000	Paper packaging, Book binding, Wood working & General purpose pasting	Quick tack, Fast setting & excellent heat resistance
R160S	Vinyl-acetate	48-50	3.5-4.5	6000-10000	Paper packaging, Book binding, Wood working & General purpose pasting	Quick tack, Fast setting, flexible film
SL160L	Vinyl-acetate	39.5-40.5	4.0-5.0	1500-2500	Paper packaging, General purpose pasting	Quick tack, Fast setting & good flow properties
A2017L	Vinyl-acrylic	28-30	3.5-4.5	22000-26000	Paper packaging, book binding, General purpose pasting	Fast setting & heat resistance, good flow properties
A2017R	Vinyl-acrylic	33-35	3.5-4.5	48000-68000	Paper packaging, Wood working, General purpose pasting	Fast setting & heat resistance, good flow properties
A4020D	Vinyl-acrylic	22.5-23.5	3.5-4.5	1500-3500	Paper packaging, Carton Pasting & General purpose pasting	Economical
SL1265A	Vinyl-acrylic	13-15	4-5	2000-4000	Paper packaging, General purpose pasting	Economical
SL2017A	Vinyl-acrylic	32-34	5-6	20000-30000	Paper packaging, Book binding, Wood working & General purpose pasting	High molecular weight, Fast setting
SL 1830A	Vinyl-acrylic	27-29	3-4	4000-8000	Tube Winding, General purpose pasting	Machine application
SL 1650A	Vinyl-acrylic	37-39	3-4	8000-16000	Corrugated box pasting, General purpose pasting	Machine application
PM 13T	Vinyl-acetate	12-14	5-7	10000-20000	Stationary adhesive, paper to paper bonding	Economical

LATEX - ADHESIVES (Contd.)

UCAR Latex	Polymer Type	Typical Parameters			Recommended Applications	Description
		Solids %	pH	Viscosity Cps		
S937A	Vinyl-acrylic	49-51	4-5	3000-6000	Paper to Paper, Aluminium to Paper, PP/PVC/PU to Paper Lamination	Co-polymer ,widely use for PP Film lamination to paper/boards
SL977A	Vinyl-acrylic	49-51	4.5-5.5	2000- 4000	PP Film, Aluminium film, PVC film lamination on boards/paper, difficult surface adhesive	Co-polymer, specially designed for PP lamination
SL175A	Vinyl-acrylic	49-51	4-5	8000-20000	Table adhesive for textiles	APEO, Formaldehyde and Pthalate free
S165H	Vinyl-acrylic	49-51	4-5	8000-20000	Table adhesive for textiles and label pasting on plastic, glass & metal	Designed for hand pasting applications

LATEX BINDERS FOR TEXTILE PIGMENT PRINTING

Product	Polymer Type	Typical Parameters				Description
		Solids %	pH	Particle size microns	Viscosity Cps	
SL 984T	Stryrene-acrylic	42-44	8-9	0.1	1500-2500	APEO, phthalate, formaldehyde free binder for textile pigment printing which gives soft handle, excellent wash fastness and color brightness

LATEX BINDERS FOR ARCHITECTURAL COATINGS

Product	Polymer Type	Typical Parameters					Description
		Solids %	pH	Particle size microns	Viscosity Cps	Theoretical Tg °C	
SL973P	Vinyl-acrylic-veova	54-56	4-5	0.2-0.4	500-1500	16	High abrasion resistance with high opacity. Suitable for gloss, semi-gloss and matt interior finishes
SL127P	Styrene-acrylic	49-51	8-9	0.1	<500	14	Excellent gloss and high exterior durability for high quality exterior paints
S53	Styrene-acrylic	49-51	8.5-9	0.1	1800-4000	18	High alkaline and water resistance with high pigment acceptance and good binding power. Suitable for wall primers, sealers and texture coatings with long term durability
SL68	Styrene-acrylic	49-51	7-9	0.15	5000-10000	22-26	Can be formulated into many types of interior as well as exterior paints, wall fillers, wall putty, various wall plasters and texture coatings. It can be used as a cement modifier. It has high water & alkaline resistance, excellent freeze thaw and mechanical stabilities
SL1211 WP	Styrene-acrylic	53-55	7.5-8.5	0.1	1000-1500	-6	Can be used to formulate water proofing paints , can be used as a clear coat, can be used in masonry work
SL 117P	Acrylic	49-51	7.5-8.5	0.1	50-500	10	Excellent gloss and high exterior durability for high quality exterior paints with good dirt pick-up resistance. An eco-friendly product free from APEO, phthalate, formaldehyde
SL 171 P	Vinyl-Acrylic	46 - 48	4-5	0.4	500-1500	21	Developed for cost effective interior paint formulations



DISPERSING AND DEFOAMING AGENTS

Product	Polymer Type	Typical Parameters			Description
		Solids %	pH	Viscosity Cps	
SL50 N	Sodium salt of a Polycarboxylic acid	43-45	6-8	500-2500	Efficient pigment dispersing agent for emulsion paints and paper coatings. Can be used in a wide range of formulations, from low PVC paints to high PVC wall fillers and wall putties. It is also used as a deflocculating agent in slurry mixtures in ceramic industry
SAG 10	Dimethyl polysiloxane	12-14	6-8	1500-2500	Defoaming agent specifically for water based systems. Can be used for clear and pigmented systems



SILICONE EMULSIONS

Product	Polymer Type	Typical Parameters			Description
		Solids %	pH	Viscosity Cps	
LE 45	Dimethyl polysiloxane	36.5-38.5	6-8	<100	Rubber Industry as mould releasing agent & used as a polishing agent for plastic/ leather surfaces, especially in automobiles
LE 35	Dimethyl polysiloxane	24-26	6-8	200-300	Polishing agent for plastic/leather surfaces to get an excellent shine
LE 25	Dimethyl polysiloxane	14-16	6-8	400-600	Cost effective polishing agent for plastic/leather surfaces to get an excellent shine

U-COAT WATER BASED WOOD COATINGS



U-COAT Wood Coating	Polymer Type	Typical Parameters			Description	Advantages
		Solids %	pH	Viscosity Cps		
U-COAT: - Top Coat Matt - Top Coat Gloss	Acrylic-PU hybrid	42-44	7-8	2000-4000	Used to get Matt or Gloss finish in wood coating	- High solid content for better film build - Excellent flow property - Excellent water resistance
U-COAT: Top Coat Matt 10	Styrene Acrylic	37-39	7-8	2000-4000	Used to get natural matt finish in wood coating	- Excellent water resistance - Excellent heat resistance - Excellent coverage - Excellent durability - Excellent UV resistance - Excellence salt resistance - Excellent microbial resistance - Exterior & Interior use
U-COAT Stains: Teak Mahogany Walnut Veneer Wenge Jack Black	Styrene-Acrylic	17-19	7-8	< 100	Used to get natural color in wood coating	- Excellent water resistance - Natural color - Compatibility with other stains - Excellent coverage - Excellent microbial resistance - Exterior & Interior use

U-COAT WATER BASED WOOD COATINGS (Contd.)



U-COAT Wood Coating	Polymer Type	Typical Parameters			Description	Advantages
		Solids %	pH	Viscosity Cps		
U-COAT: - Floor Coat Matt - Floor Coat Gloss	PUD	36-38	7-8	<1000	Used to get Matt or Gloss finish in interior wood floors	- Excellent abrasion resistance - Excellent flow property - Excellent water resistance - Excellent heat resistance - Excellent coverage - Excellent durability - Excellent UV resistance - Excellent microbial resistance
U-COAT: -Top Coat Super Gloss	Styrene--Acrylic	38-40	7-8	250-350	Used to get high gloss in wooden surfaces	- Excellent flow property - Excellent heat resistance - Excellent coverage - Excellent durability - Excellent microbial resistance - Exterior & Interior use

ALKYD RESINS	DESCRIPTION	ORIGIN
S-5060 70% Solid	Soyabean oil type oxidizing long oil length	Macro Polymers, India
S-5060 80% Solid		
C-1032 70% Solid	Coconut oil Non oxidizing short oil length	
S-5030 70% Solid	Soya bean Fatty Acid based oxidizing short oil length	
UF RESIN	Butylated UF	
TS 8060 60% PU Resins	Soya Oil semi Oxidising	
EPOXY-450 Resin 75%	Bisphenol Epoxy Resin	
Polymide resin (SP-115) Hardner 100%	Polyamide Resin	
MRGLY	Maleic modified rosin glycerine ester	
MFAP	Aluminum Paint Medium	
TPA 696	Thermo Plastic Resin	

THICKENING AGENTS	DESCRIPTION	ORIGIN
Cellosize QP 100 MH	hydroxyethyl cellulose	Dow Chemicals, USA
Walocel MKX 45000 PP 10	hydroxyethyl methyl cellulose	
PVA – BP 26/ 2688	Polyvinyl alcohol	Taiwan/China
Selvol 540		Celanese, USA

CHELATING AGENTS	DESCRIPTION	ORIGIN
EDTA	Ethylenediaminetetraacetic acid (EDTA)	Europe/USA

ETHANOLAMINE	DESCRIPTION	ORIGIN
MEA	Monoethanolamine	Dow Chemicals, USA
MIPA	Monoisopropanolamine	

RHEOLOGY MODIFIERS	DESCRIPTION	ORIGIN
Rheolate 150	HASE Rheological Modifier	Elementis

PIGMENTS	DESCRIPTION	ORIGIN
TiO2- Titanium Dioxide		China
Iron Oxide -Brown -663		
Iron Oxide -Red -130		
Iron Oxide -Red- 190		
Iron Oxide -Black -777		
Iron Oxide -Blue-463		
Iron Oxide -Green-5605		
Iron Oxide -Yellow-920		
Carbon Black		India/Taiwan

INDUSTRIAL SOLVENTS	DESCRIPTION	ORIGIN
Methanol		Singapore/UAE
Butyl Cellosolve		Dow Chemicals
LAWS		UAE
PG USP EP		Dow Chemicals

SURFACTANTS	DESCRIPTION	ORIGIN
Tergitol NP 10	Nonylphenol Ethoxylate Nonionic	Dow Chemicals, USA
Triton X-100	Octylphenol Ethoxylate Nonionic	
SLES 70	Sodium Lauryl Ether Sulphate	China
LAS 96% (LABSA)	Linear Alkyl Benzene Sulfonic Acid	Vietnam

MONOMERS	DESCRIPTION	ORIGIN
Styrene Monomer		India

INDUSTRIAL OILS	DESCRIPTION	ORIGIN
Silicone Fluid 350 CS		China

GLYCOL ETHERS	DESCRIPTION	ORIGIN
Downol DPnB	Dipropylene Glycol n-Butyl Ether	Dow Chemicals, USA

COALESCING AGENTS	DESCRIPTION	ORIGIN
Dalpad Filmer	Slow evaporating hydrophobic Glycol Ether	Dow Chemicals, USA
Ucar Filmer LV		

PAINT DRIERS	DESCRIPTION	ORIGIN
Zinc Octoate 18%		India
Calcium Octoate 10%		
Cobalt Octoate 12%		
Manganese Octate 10%		
Zirconium Octate 18%		
Anti-Skinning (MEKO)		

OPACIFIERS	DESCRIPTION	ORIGIN
UCOP 783	Partial substitute for TiO ₂	UCLL

OTHERS	DESCRIPTION	ORIGIN
Pine Oil		Germany
Pet Resins C 9 SC 120 H(#7)		China
Aluminium Paste		India
Eastman 168	Non Pthalate Plasticizer	Eastman, USA
TXIB	Secondary Plasticizer	



National Green Awards
2012



National Business
Excellence Awards 2012



GEO Responsibility Awards
2012



National Cleaner
Production Award 2012



CNCI Top 10 Award
2011



CNCI Achiever of
Industrial Excellence 2011



CNCI Achiever of Industrial
Excellence 2009



National Business
Excellence Awards 2009



National Business
Excellence Awards 2007



CNCI Achiever of Industrial
Excellence 2007



National Business
Excellence Awards 2005



Community Leader
Awards 2005



Industrial Safety
Awards 2004



National Productivity
Awards 2004



National Safety Award
1996



National Safety Award

- 2015 - Industrial Excellence Awards - (Small and Medium Industries) Platinum Award from Sri Lanka Chamber of small & Medium Industries
- 2015 - National Quality Awards - Merit Certificate from Sri Lanka Standards Institution
- 2015 - National Green Awards - Merit Award, (Chemical, Pharmaceuticals & Petrochemical) from Central Environmental Authority
- 2014 - National Quality Award Commendation Certificate from Sri Lanka Standards Institution
- 2014 - National Occupational Safety & Health Excellence Award (Manufacturing Medium Scale) from National Occupational Safety & Health, Sri Lanka
- 2014 - Geo Responsibility Award - Merit Award for Excellence in Corporate Environment Responsibility from Geo Cycle Holcim (Lanka) Ltd
- 2014 - National Cleaner Production Awards - Merit Certificate in Manufacturing Medium Category from National Cleaner Production Centre
- 2013 - National Cleaner Production Awards - Bronze Award: Manufacturing - Medium) Category from National Cleaner Production Centre
- 2012 - National Green Awards - Bronze Trophy of Commendation (Category - Chemical, Pharmaceutical and Petrochemical) from Central Environmental Authority
- 2012 - Geo Responsibility Award for Excellence in Organizational Environmental Responsibility
- 2011 - National Cleaner Production Award - Merit Award (Manufacturing Medium Category)
- 2011 - Achiever of Industrial Excellence - CNCI Top Ten Award (Extra Large Category)
- 2011 - Achiever of Industrial Excellence (National Level - Manufacturing Extra large Category) Merit Award
- 2011 - Achiever of Industrial Excellence (National Level - Manufacturing Extra large Category) Merit Award
- 2010 - ISO 9001 : 2008 QMS Certification awarded by SLSI
- 2010 - ISO 14000 : 2004 EMS Certification awarded by SLSI
- 2009 - National Business Excellence - Merit Award
- 2008 - Achiever of Excellence (National Large scale) - Gold Award
- 2007 - Achiever of Industrial Excellence (National Large scale) - Gold Award
- 2006 - National Business Excellence Award Best Block buster performance (Runners-up)
- 2006 - National Safety Award - Merit award.
- 2005 - Community Leader Award (Small Business Sector) - Bronze Medal.
- 2004 - National Productivity Award - Gold Award
- 2004 - ISO 14001 : 1996 EMS Certification awarded by the SLSI.
- 2004 - ISO 9001 : 2000 QMS Certification awarded by the SLSI.
- 2004 - Industrial Safety Award (Small Scale Category - Merit award all island.)
- 2003 - National Safety Award (Small Scale Category - Merit award all island and Winner in the Western Province).
- 2003 - National Productivity Award (Small Scale Category - Winner - 1st place all island.)
- 2003 - Taiki Akimoto 5S Award (Small Scale Category - For the application.)
- 2002 - National Productivity Award (Small Scale Category - Commendable all island)
- 2002 - ISO 9002 : 1994 Certification awarded by the SLSI.
- 1994 - Commendable Safety Award from Union Carbide Corporation, USA



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