



**ichemco**

Pressure Sensitive Adhesive  
Specialty Chemicals

**PRODUCTS FOR PRESSURE SENSITIVE TAPES AND PROTECTIVE FILMS**

# MISSION

Ichemco's Mission is to be a technology leader in the field of pressure sensitive adhesives and non-silicone release coatings. Profound knowledge of all existing technologies combined with flexibility and experience are key factors in our success.

"Quality first" has always been and still is our motto. Our ISO 9001 Quality Management System guarantees a constant performance for our customers.

We believe in sustainable development and are steadfastly committed to the development of environmentally friendly products for our customers as well as those employed in our own manufacturing processes.

Ichemco implemented an environmental management system and is certified ISO 14001.

In 2011 the company completed the installation of a 200 kWh solar panel plant that covers up to 26% of its electrical power demand.

Until now, 1922 oil barrels have been saved (March 2019).



# MILESTONES

- 1979** Ichemco established in Sedriano (Milan). Business activity focuses on leather, textiles, plastic, rubber and adhesives.
- 1982** Acquisition of a production facility in Pogliano Milanese. Manufacture of primers, antioxidants, acrylic waterborne dispersions and release systems in solvent begins.
- 1989** Ciba-Geigy (later Ciba Specialty Chemicals, now part of the BASF group) appoints Ichemco as official distributor for their antioxidants division in the Italian adhesive market.
- 1990** Production of solventborne self-crosslinking acrylic formulations begins.
- 1994** After a fire on the premises, the plant in Pogliano Milanese is completely rebuilt in six months and new machinery installed with no interruption of activities.
- 1997** Ichemco expands its distribution network, achieving a rapid expansion into the global PSA market.
- 2000** Ichemco appointed as Dow Corning's official distributor for Italy and neighboring countries.
- 2003** The company moves to a completely new production site (20,000 m<sup>2</sup>) in Cuggiono (Milan). The product portfolio expands to include SIS hot melt PSA's, UV-curable resins and new waterborne release systems for BOPP, PE and PVC.
- 2007** Acquisition of a new modern, environmentally friendly technology for the manufacture of PVODC release agents.
- 2014** Production of SIS hot melt PSA's in pillows.
- 2018** Non-silicone release production capacity is doubled.



# LABORATORY



With over 40 years of experience in the field of pressure sensitive materials, Ichemco is able to assist you with its state-of-art infrastructure.

Our laboratory facilities are outfitted with cutting-edge equipment, including two flexible pilot coating Lines, designed to work with all existing product and coating technologies (hot melt, UV curable, solventborne and waterborne).

Experienced technicians will assist you in the choice and customization of products addressing your specific needs. Know-how and flexibility are our strong points.

Customers value our knowledge and time-honored experience. Let us be your partner in success from product concept and process planning to production and beyond.



# OUR CHEMICAL EXPERTISE

## PSA's in water dispersion

**TACKWHITE A**  
acrylic

**TACKWHITE SB/NL**  
synthetic and natural  
elastomers

## Solvent-borne PSA's

**SOLACRIL**  
acrylic

**TACKSOL**  
synthetic and natural  
rubbers

## PSA's in 100% solid form

**TACKMELT**  
SIS hot melt

**UVACRIL**  
UV-curing acrylic

**Non Silicone Release Agents**  
in Powder, solvent borne and waterborne

**Additives - Antioxidants - Color Inks - Curing Agents**  
**Primers - UV Stabilizers**

# PRIMERS



## WATERBORNE PRIMERS

	TS (%)	Application
CELLOPRIMER W	25	Primer for cellophane films
PRIMER MT2	46	Primer for saturated kraft paper, promotes the adhesion of NR and HM PSA's
PRIMER EPA W	30	Primer for treated and untreated PP for rubber solvent PSA
PRIMER EPA W5	50	Primer for treated PP and PE, improves anchorage of waterborne acrylic PSA and inks
PRIMER EPA W8	40	Primer for PET and PVC, improves anchorage of waterborne acrylic PSA and inks
PRIMER EPA W9	20	Primer for printing and metallization of BOPP and PET
VINILPRIMER E5B	44	Primer for rigid and plasticized PVC for natural rubber solvent borne PSA

## SOLVENT BORNE PRIMERS

	TS (%)	Solvents	Application
PRIMER EPX-2	3	cyclohexane; toluene	For flexographic printing on PP
PRIMER EPX-2 ECO	3	cyclohexane; octane	For flexographic printing on PP, aromatic-free
PRIMER UNISOL 11	7.5	toluene; ethyl acetate	For natural rubber solvent borne adhesives on PET, PP and PE
PRIMER UNISOL 20	20	toluene; ethyl acetate	Concentrated version of Unisol 11
PRIMER EPA-SOL 10	10	toluene	For natural rubber solvent borne adhesives on corona treated PP
PRIMER PP 10	10	toluene	For natural rubber solvent borne adhesives on corona treated polyolefines
VINILSOL 10	10	toluene; MEK	For natural rubber solvent borne adhesives on PVC
CELLOPRIMER S 25	25	ethyl acetate	For cellophane films

## 100% SOLID PRIMERS

	Application
PRIMER EPX-2 dry	For flexographic printing on PP
PRIMER EPA-SOL dry	For natural rubber solvent borne adhesives on corona treated PP
VINILSOL dry	For natural rubber solvent borne adhesives on PVC

# ADHESIVES



## ACRYLIC PSA WATER DISPERSIONS FOR PACKAGING TAPES

	TS (%)	L. Tack* (g)	Peel* (g/in)	Shear* (h)	Properties
TACKWHITE A 39	56	500	600	>100	Low noise, elevated drying speed
TACKWHITE A 238	61	1000	750	>100	Elevated solid content
TACKWHITE A 83	53	950	750	>100	Low noise
TACKWHITE A 65	50	1100	900	>100	Highest peel and tack

## ACRYLIC PSA WATER DISPERSIONS FOR MASKING TAPES

	TS (%)	L. Tack* (g)	Peel* (g/in)	Shear* (h)	Properties
TACKWHITE A 84	50	650	700	>200	For outdoor applications

## ACRYLIC PSA WATER DISPERSIONS FOR PROTECTIVE FILMS

	TS (%)	L. Tack* (g)	Peel* (g/in)	Shear* (h)	Properties
TACKWHITE NA 55	50	150	30	>100	Ultra easy peel
TACKWHITE AMC 21	45	80	50	n.a.	Removable and repositionable
TACKWHITE AMC 24	46	300	200	n.a.	Removable and repositionable
TACKWHITE AP 79	50	250	250	>50	Easy peel
TACKWHITE AP 5M	49	400	500	>100	Removable
TACKWHITE AR 35	52	700	500	>100	For bus marking
TACKWHITE AP 26	55	700	800	>24	Water resistant
TACKWHITE A 33	51	700	1000	>50	For transparent films
TACKWHITE AP 15	44	700	1000	>70	Removable
TACKWHITE HT200 NC	50	1100	1200	>100	Resists up to 150°C
TACKWHITE AP 03 HP	50	1200	1800	>50	For carpets and anodized surfaces

\*Average values; 22±2 g/m<sup>2</sup> of dry adhesive on PET film 36 µm

## ACRYLIC PSA WATER DISPERSIONS FOR SPECIAL TAPES

	TS (%)	L. Tack* (g)	Peel* (g/in)	Shear* (h)	Properties
TACKWHITE AMC 24	46	300	200	n.a.	For film, removable and repositionable
TACKWHITE AR 35	52	700	500	>100	For bus marking, suitable for PVC, PE, PP
TACKWHITE HT200 NC	50	1100	1200	>100	Resists up to 150°C
TACKWHITE A11 DF	60	1200	1200	>20	For low temperatures, FDA 21 CFR 175.105 approved
TACKWHITE A2P 51	50	600	1600	>2	For difficult surfaces
TACKWHITE A2P 60	55	1200	2000	>1	PU/PE foams, double sided tapes

## STYRENE BUTADIENE RUBBER PSA WATER DISPERSIONS

	TS (%)	Solvent	L. Tack* (g)	Peel* (g/in)	Shear* (h)	Application
TACKWHITE AT4 M1	50	water	350	300	>100	For paper application tapes
TACKWHITE MT30 P	52	water; toluene	900	800	>50	Masking & paper packaging tapes
TACKWHITE A205/M1	54	water; toluene	1100	1000	>10	For PE/PU/PAM foams, paper labels, textiles, films
TACKWHITE A205 SL1	52	water	1700	1000	>5	Solvent less version of A205/M1
TACKWHITE SB4 B2	50	water	1400	1500	>5	PU/PE foams, double sided tapes
TACKWHITE SB4 E	53	water; toluene	1300	1600	>5	Cloth, paper, cardboard and synthetic leather
TACKWHITE SB5 M1	54	water; toluene	1200	1700	>15	PU foams, leather, synthetic leather, double sided tapes
TACKWHITE SB5	56	water; toluene	1100	1900	>5	Cloth, polymeric foams, double sided tapes

\*Average values; 22±2 g/m<sup>2</sup> of dry adhesive on PET film 36 µm





## NATURAL RUBBER SOLVENT BORNE PSA FOR PROTECTIVE FILMS

	TS (%)	Viscosity (mPa.s)	L. Tack* (g)	Peel* (g/in)	Shear* (h)	Solvents	Properties
TACKSOL 10/86 HTC	30	1750	390	220	>500	hexane	For ACP, PVC
TACKSOL 10/89 HSC	30	1500	690	390	>500	hexane	For rough surfaces
TACKSOL 10/89 HTD	30	2500	780	310	>500	hexane	For laser cutting

\* Average values; 4±1 g/m<sup>2</sup> of dry adhesive on PET film 36 µm, with 1% MDI

## NATURAL RUBBER SOLVENT BORNE PSA FOR SPECIAL TAPES

	TS (%)	L. Tack* (g)	Peel* (g/in)	Viscosity (mPa.s)	Solvent	Properties
TACKSOL 10/86 HS 35	35	1500	1000	17500	hexane	Mounting tapes
TACKSOL 10/89 HTB*	33	2800	1900	2500	hexane	For rough surfaces

\* Average values 22±2 g/m<sup>2</sup> of dry adhesive on PET film 36 µm (mandatory)

\* Curing Agent with MDI is mandatory

## NATURAL AND SYNTHETIC RUBBER SOLVENT BORNE PSA

	TS (%)	L. Tack* (g)	Peel* (g/in)	SAFT* (°C)	Viscosity (mPa.s)	Solvent	Properties
TACKSOL 45 TRM	42	2000	1700	115	95000	hexane	For textiles
TACKSOL SM3	32	2200	1700	109	22500	hexane	High cohesion
TACKSOL A48 M2	55	1300	2000	118	8000	toluene	High performance tapes and labels
TACKSOL NIS 6	48	3000	2000	120	37500	toluene	For special tapes
TACKSOL IS 55	55	3500	2200	120	6500	toluene	High tack
TACKSOL IS 56 M2	58	1800	2300	90	10000	toluene; IPA	For special tapes
TACKSOL NIS 12	35	2300	2300	51	7000	toluene	Balanced properties

\* Average values; 25±3 g/m<sup>2</sup> of dry adhesive on PET film 50 µm

## ACRYLIC SOLVENT BORNE PSA CURABLE WITH ISOCYANATE

	TS (%)	Viscosity (mPa.s)	Solvents	Properties
SOLACRIL 203	40	2250	ethyl acetate	For smooth surfaces, easy peel
SOLACRIL 204	50	3000	hexane; toluene	Different solvent version of Solacril 203
SOLACRIL 206	43	2000	ethyl acetate	Excellent wettability
SOLACRIL 303	50	5000	ethyl acetate	For rough surfaces
SOLACRIL 306	53	4000	ethyl acetate	Excellent wettability, for rough surfaces

## REPOSITIONABLE ACRYLIC SOLVENT BORNE SELF-CROSSLINKING PSA

	TS (%)	L. Tack* (g)	Peel* (g/in)	SAFT* (°C)	Viscosity (mPa.s)	Solvents	Properties
SOLACRIL 742	50	750	1400	n.a.	6000	ethyl acetate; heptane; acetone	For graphics and vinyl applications, resistant to plasticizers
SOLACRIL 749	50	1700	1600	n.a.	6000	heptane; ethyl acetate; acetone; IPA; methanol	For graphics and vinyl applications, resistant to plasticizers

\* Average values; 25±3 g/m<sup>2</sup> of dry adhesive on PET film 50 µm



## ACRYLIC SOLVENT BORNE SELF-CROSSLINKING PSA

	TS (%)	L. Tack* (g)	Peel* (g/in)	SAFT* (°C)	Viscosity (mPa.s)	Solvents	Properties
SOLACRIL 753	50	800	1000	167	4000	ethyl acetate; heptane; IPA	For films and crystal clear tapes
SOLACRIL 755	57	1500	1100	>200	6000	heptane; ethyl acetate; acetone; methanol	Resistant to plasticizers, approved for skin contact, crystal clear
SOLACRIL 759	50	1500	1100	>200	3500	ethyl acetate; heptane; IPA	For graphics, excellent PVC anchorage, crystal clear
SOLACRIL 774	50	600	1200	152	1050	ethyl acetate; heptane; IPA; toluene	For labels and tapes
SOLACRIL 775	55	1500	1200	141	4500	ethyl acetate	Low temperature resistance
SOLACRIL 758	49	600	1500	>200	3000	ethyl acetate; cyclohexane	Resistant to plasticizers and high temperatures
SOLACRIL 758B	53	2000	1700	144	3000	ethyl acetate; IPA	For low energy substrates, resistant to plasticizers
SOLACRIL 781	57	2000	2000	181	7500	ethyl acetate; IPA	Double sided tapes, transfer tapes

\*Average values; 25±3 g/m<sup>2</sup> of dry adhesive on PET film 23 µm



## REPULPABLE ACRYLIC SOLVENT BORNE PSA

	TS (%)	Viscosity (mPa.s)	Solvents	Properties
SOLACRIL WS 33	30	5000	water; acetone; ethanol	Base for repulpable splicing tapes.
SOLACRIL WS 60 AF	53	15000	water; acetone; ethanol	For repulpable static splicing tapes.
SOLACRIL WS 40 D	52	15000	water; acetone; ethanol	For repulpable static splicing tapes, higher peel version.

## SPECIAL AND SPRAYABLE PSA

	TS (%)	L. Tack* (g)	Peel* (g/in)	Viscosity (mPa.s)	Solvents	Properties
SOLACRIL SPR x12 M3	9	n.a.	n.a.	300	isohexane acetone	Repositionable, acrylic solvent borne
TACKWHITE AK35	35	n.a.	n.a.	4500	water	For films, resistant to plasticizers
SOLACRIL 44	50	700	1200	5500	ethyl acetate toluene	Crystal clear, can be cured with isocyanate

\*Average values; 22±2 g/m<sup>2</sup> of dry adhesive on PET film 36 µm



## SIS HOT MELT PSA

	L. Tack* (g)	Peel* (g/in)	R&B (°C)	SAFT* (°C)	Viscosity @170°C (mPa.s)	Properties
TACKMELT R008	1800	1200	129	104	25000 <sup>1</sup>	Removable for low energy substrates
TACKMELT XM1	1500	1500	111	69	38000	Crystal clear, for labels
TACKMELT 63B	3200	3000	88	78	6000	Versatile product
TACKMELT A8	3200	3000	93	84	6000	Versatile product
TACKMELT A9	3200	3100	113	95	10000	Labels and foams
TACKMELT HM 10A	2800	3100	105	94	17500	Resistant to high temperatures
TACKMELT HM 15A	2500	3900	110	97	45000	High performance HM
TACKMELT FG90D	4000	> 4000	102	75	13700	Food contact approved

\* Average values; 30±3 g/m<sup>2</sup> of dry adhesive on PET film 23 µm, TCA treated.

<sup>1</sup> @190°C

If you don't find the hot melt grade that you are looking for, just contact us and we will be happy to develop it for you.

## ACRYLIC UV CURABLE

	Properties
UVACRIL R2	Removable, excellent cohesion
UVACRIL R3	Easy removable
UVACRIL P3	Balanced properties
UVACRIL M25	Strong peel, good cohesion if properly cured
UVACRIL M26	Excellent cohesion if properly cured
UVACRIL M27	Highest cohesion

Acrylic UV curable pressure sensitive adhesive are the solvent free alternative to acrylic solvent borne PSA's. These products can be processed in conventional hotmelt adhesive coating machines at 100-120 °C.

For the curing process you will require UV-B lamps with a wavelength between 220-280 nm.



# ADDITIVES



## CURING AGENTS FOR WATERBORNE PSA

	TS (%)	Application
CURING AGENT X7	100	Ethylene Aziridine system, suitable for room temperature curing and even for solvent borne systems
CURING AGENT PZ28	100	Propylene Aziridine system, suitable for room temperature curing and even for solvent borne systems
CURING AGENT W3	100	Water dispersible di-isocyanate
CURING AGENT WS5	28	Ethylenurea crosslinker in water dispersion for waterborne PSA
CURING AGENT W18	19	Water dispersible bi-functional aziridine in di-propylene glycol methyl ether

## TACKIFIERS FOR WATERBORNE PSA

	TS (%)	pH	R&B (°C)	Chemical nature
TACKIFIER 15	51	7.0	85	Hydrocarbon resins
TACKIFIER 55	55	7.0	62	Dispersion of rosin acids, esters, hydrocarbon resins
TACKIFIER 65	52	7.2	62	Rosin esters
TACKIFIER 70	50	6.5	n.a.	Acrylic polymer
TACKIFIER 80	55	9.0	83	Rosin esters
TACKIFIER 95 B	56	7.2	80	Modified rosin ester

## ADDITIVES FOR WATERBORNE PSA

DEFOAMER FL9	Modified siloxane defoamer for water dispersions
DEFOAMER FL1 CONC	Non-silicone defoamer for any kind of water dispersions
WETTING AGENT 62	Improves wettability of water dispersions
THICKENER SL 6103	Thickener for waterborne acrylic, SBR, and NL products
THICKENER NL	Thickener for waterborne acrylic, SBR, and NL products

## ISOCYANATE CURING AGENTS FOR SOLVENT BORNE SPA

	TS (%)	NCO (%)	Properties
CURING AGENT CH	100	31	Pure di-isocyanate
CURING AGENT D	65	20	Ready to use di-isocyanate in toluene solution
CURING AGENT RF/AE DE	26	8.2	Ready to use di-isocyanate in ethyl acetate solution
CURING AGENT P65	65	20	Ready to use di-isocyanate, longer pot life, not flammable



# COLORS

## COLORED WATERBORNE PIGMENT PASTES

COLOR PASTE W White	White color concentrate for waterborne PSA's
COLOR PASTE W Avana	Tan color concentrate available in many shades for waterborne PSA's
COLOR PASTE W Blue	Blue color concentrate for waterborne PSA's
COLOR PASTE W Red	Red color concentrate for waterborne PSA's
COLOR PASTE W Green	Green color concentrate for waterborne PSA's
COLOR PASTE W Honey	Yields a natural amber color to waterborne PSA's

Easy to incorporate into your PSA, they will make your manufacturing process of Pressure Sensitive Adhesives much easier.

Ichemco's formulations are designed to have the maximum possible amount of colored pigment in order to minimize the amounts to be used.

Waterborne pastes are available in many colors, if you don't find what you are looking for just get in touch with us and we will do our best to assist you.

## COLOR MASTERBATCHES

COLOR PASTE S	Brown, white and colored pigmented pastes for solvent borne adhesive masses
COLOR TAPE HM	Brown or white masterbatches with more than 80% pigment compounded with resins for HM masses

# ANTIOXIDANTS AND UV FILTERS



A combination of Antioxidants belonging to different classes performs better than any single component.

Ichemco realized this already in the early 80es and started developing synergistic blends of different Antioxidants.

Through the years a completely new range of products has been developed and successfully brought to the market.

Today Ichemco is the preferred choice for PSA manufacturers.



## ANTIOXIDANT BLENDS AND UV FILTERS IN POWDER FORM

ANTIOX AHM	High efficiency synergistic system for hot melt adhesives
ANTIOX AHM-EC	Special synergistic system for hot melt adhesives
ANTIOX AHM FF2 D	Free flow version of ANTIOX AHM
ANTIOX ASX-HS	Special synergistic system with an exceptional solubility in aliphatic solvents, for natural rubber solvent borne adhesives
ANTIOX ASX-HSD	High efficiency synergistic system with an exceptional solubility in aliphatic solvents, for natural rubber solvent borne adhesives
ANTIOX ASX 3-DF	Special synergistic, low dust system for natural rubber and hot melt
ANTIOX UV-ST	Special synergistic antioxidant and UV filter system for both hot melts and natural rubber adhesives
UVISTOP UV-HP	Synergistic blend of UV filters for natural rubber adhesives
UVISTOP UV-HM	Synergistic blend of UV filters for hot melt adhesives





## ANTIOXIDANT BLENDS IN STICKS

- ANTIOX UV-HM sticks Special synergistic antioxidant and UV filter system for hot melt adhesives
- ANTIOX AHM-EC sticks Special synergistic system for hot melt adhesives



## ANTIOXIDANT BLENDS IN PELLETS

- ANTIOX AHM pellets High efficiency synergistic system for hot melt adhesives
- ANTIOX AHM-TI pellets High efficiency synergistic system for hot melt adhesives combined with Titanium Dioxide
- ANTIOX AHM-EC pellets Special synergistic system for hot melt adhesives



## LIQUID ANTIOXIDANT BLENDS

- ANTIOX ASX-L High efficiency synergistic system with an exceptional solubility in aliphatic solvents, for natural rubber solvent borne adhesives
- ANTIOX 1520 SE Phenolic emulsifiable antioxidant for waterborne system

# RELEASE AGENTS



## WATERBORNE RELEASE AGENTS

	TS (%)	Waterproof Performance	Recommended for		Application
			NR solvent	Hot Melt	
RELEASE W45 GB1	45	-	••	•••	Masking Tapes
RELEASE W40 GB4	40	-	••	•••	Masking Tapes
RELEASE W45 GB5	45	-	••	•••	Masking Tapes
RELEASE W40 G2	40	-	••	••	Masking Tapes
RELEASE W40 S	40	•	•••	•••••	Masking Tapes
RELEASE W40 HA8	40	••••	•••	•••	Special Masking Tapes
RELEASE W40 HS4	40	••••	•••	•••	Special Masking Tapes
RELEASE WP3527	35	••	•••	••••	Special Masking Tapes
RELEASE WP3712	38	•••	••••	•••••	Special Masking Tapes
RELEASE WP4213	42	••	••••	•••••	Special Masking Tapes
RELEASE WP4517	45	•••	•••	•••••	Special Masking Tapes
RELEASE WP4202	42	••••	•••••	•••••	Special Masking Tapes

## SPECIAL WATERBORNE RELEASE AGENTS

	TS (%)	Properties
RELEASE PP25 W1	25	For corona treated BOPP hot melt packaging tapes
RELEASE WF 31	30	Release for cloth tapes and non-woven
RELEASE W40 GP1	40	Printable and writable release for paper

Ichemco offers a wide range of ready to use waterborne release agents. Viscosity and concentration can be easily adjusted to the customer's needs.

## NON SILICONE RELEASE AGENTS 100% SOLIDS

	Recommended for				Application
	NR solvent	Hot Melt	Acrylic WB	Co-extrusion	
RELEASE KB100 / KF100	●●●●●	●●	●●●●●	●●●●	Protective films
RELEASE K100 DI	●●	●	●●●	-	Versatile product
RELEASE K100 D / K100 H	●●●●	●●●●	●●●●	-	Tapes
RELEASE K100 S	-	-	-	●●●●●	Co-extrusion
RELEASE KB100 H / KF100 H	●●	●●●●●	●●	-	Tapes
RELEASE G100	●●●●●	●●	●●●●●	●●●●	Special tapes
RELEASE G100 H	●●●●	●●●●●	●●●●	-	Special tapes

Ichemco's Poly Vinyl Octadecyl Carbamate (PVODC) release agents are manufactured in accordance with the most advanced available technologies.

Main advantages:

- Ecological and environmentally friendly: zero heavy metal content
- Easily soluble in toluene and xylene or in blends of aliphatic solvents
- Highest purity with no insoluble components
- Best cost effectiveness among all available release technologies
- Compatible with the majority of the polymers even non corona treated like PET, PP, LDPE, PVC, PI, PA ...

## NON SILICONE RELEASE AGENTS IN SOLVENT SOLUTION

	TS (%)	Application
RELEASE PP25 S	23	For BOPP packaging tapes
RELEASE PP25 DIL	0.5 - 2	Diluted versions, available at different concentrations
RELEASE PP25 ECO DIL	0.5 - 24	For BOPP packaging tapes, aromatic free version

## SPECIAL RELEASE AGENTS 100% SOLIDS

Application	
RELEASE FR 100 V	Release for aluminum/PE freezer tapes
RELEASE ST9 HM dry	Printable release for corona treated hot melt BOPP tapes
RELEASE ST10 dry	Printable easy release for corona treated natural rubber BOPP tapes

## SPECIAL RELEASE AGENTS IN SOLVENT SOLUTION

	TS (%)	Application
RELEASE ST1	13	Printable release for corona-treated BOPP tapes
RELEASE ST4 M	12	Printable release for non-corona-treated BOPP tapes
COLOR LAC N66	19	Special transparent ink for security tapes

Special Release Agents of the ST series have been developed to manufacture easy-print BOPP tapes. This special coating will perform both as release agents and primers for polyamidic inks. The back can be printed using Ichemco's COLOR INK PAM+ADD series, for more information please refer to the "FLEXOGRAPHIC PRINTING" catalogue. Their special formula ensures a perfect compatibility with the most common available PSA's.



# LABORATORY TESTING EQUIPMENT



ChemInstruments is the world leading supplier of specialized testing devices for the Pressure Sensitive Adhesives industry.

The equipment is ideal for testing: • Adhesives

- Coatings
- Sealants
- Paper, film, and foil-based materials

for a variety of consumer and industrial applications, including tapes, labels, tags, printing, packaging and more.

The catalog includes testing machines, tools for the sample preparation (including coaters and laminators) and accessories for measuring adhesion, release force, tack, shear, tensile strength, unwind force, COF, and other physical and chemical properties.

Ichemco represents ChemInstruments in many European, Middle Eastern and North African countries.



A world map with various regions highlighted in different colors. A horizontal line of blue dots runs across the top of the map, passing through Europe and Asia. The highlighted regions include Mexico (orange), Brazil (light green), Russia (yellow), Spain+Portugal (green), France (blue), UK + Ireland (teal), Turkey (brown), Bosnia-Herzegovina, Serbia, Macedonia (yellow-green), Argentina (light blue), Ukraine (dark blue), Egypt (grey), India (purple), and Poland (red).

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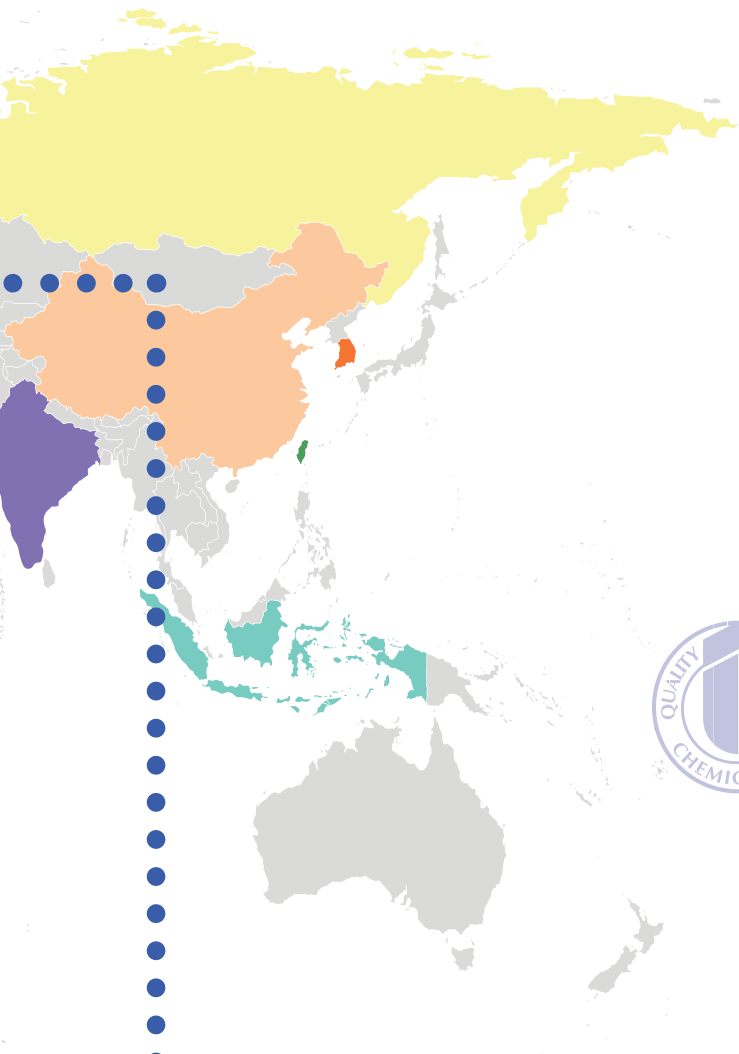
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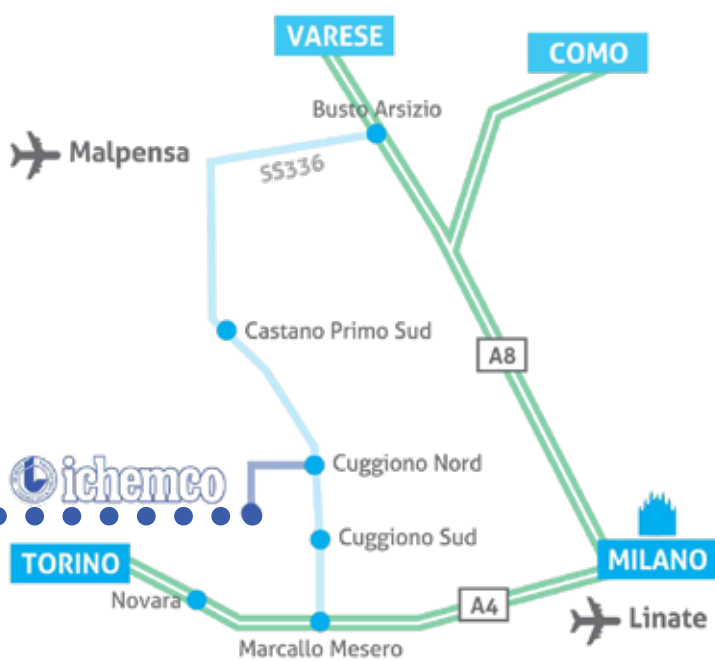
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