



				DD	OPER	TIEC			ADD	LICA	TION		PERFORMANCE									
		INCI		PK					T	LICA	TION			Gels/Creams/ Waxes		sols Mo		ANCI		ols Spray	s	
	PRODUCT*		Active [%]	Physical form*	Recommended dosage as is in %	Molecular weight	Tackiness	Gels/Creams/ Waxes	Aerosols Mousses	Aerosol Sprays	Aerosol sprays VOC 55	Pumps Sprays / Lotions	Stiffness 1	Curl retention <sup>2</sup>	Stiffness 1	Curl retention <sup>2</sup>	Conditioning	Stiffness 1	Curl retention <sup>2</sup>	Compatibility with Propan/ Butan	Compatibility with DME	REMARKS
	Luviskol <sup>®</sup> K 30 Powder	PVP	100	Р	1 - 8	-	•••		•••			-			-							
	Luviskol <sup>®</sup> K 30 Sol.	PVP	30	L	3 - 20	•		•••				•		-	•	-						Liquid form easy to handle and result in time & energy savings during the process.
	Luviskol <sup>®</sup> K 30 Super Powder	PVP	100	Р	1 - 8	•						•		•	•	-						New superior quality colorless and providing gels with stable viscosity.
	Luviskol <sup>®</sup> K 30 Super Sol.	PVP	30	L	3 - 20	•						•		-	-	-						New superior quality colorless and providing gels with stable viscosity. Solution brings lower processing costs.
	Luviskol <sup>®</sup> K 85 CQ Sol.	PVP	20	L	5 - 15																	Easier to handle (less viscous) than Luviskol <sup>®</sup> K 90 Sol. with similar performances.
S	Luviskol <sup>®</sup> K 90 Powder	PVP	100	Р	1 - 3									•		•						
NON-IONIC	Luviskol <sup>®</sup> K 90 Sol.	PVP	20	L	5 - 15									•		•						Best stiffness performance PVP. Liquid form easy to handle and result in time & energy savings during the process.
Z	Luviskol® VA 37 I / E	VP/VA Copolymer	50	L	6 - 15	•				•••	-											VP/VA copolymer are more hydrophobic, more flexible and less tacky than PVP.
	Luviskol <sup>®</sup> VA 55 I	VP/VA Copolymer	50	L	6 - 10	•					-											
	Luviskol <sup>®</sup> VA 64 Powder	VP/VA Copolymer	100	Р	2 - 8	•								•	•	-						
	Luviskol® VA 64 W	VP/VA Copolymer	50	L	4 - 16	•								-	•	-						
	Luviskol <sup>®</sup> VA 73 W / E	VP/VA Copolymer	50	L	4 - 16	•								-	Ŀ	•						
	Luviskol® Plus	Polyvinylcaprolactam	40	L	5 - 15	•																Best performance for Propane/Butane systems.
	Luviset <sup>®</sup> Clear AT 2 / E	VP/Methacrylamide/ Vinyl Imidazole Copolymer	20	L	5 - 15		-										-					Heat protection properties.

<sup>\*</sup> P = Powder; L = Liquid; I = Isopropanol; E = Ethanol; W = Water

Thicken with Luvigel® Fit UP to achieve synergies in stiffness and curl retention 1. Setting; 2. Humidity resistance







Т				PR	OPER	TIES		APPLICATION							Р	ERF	ORM					
					<u> </u>	0								Gels/Creams/ Waxes		Aerosols Mousses Aerosols Sprays						
PRODUCT *		INCI	Active [%]	Physical form*	Recommended dosage as is in %	Molecular weight	Tackiness	Gels/Creams/ Waxes	Aerosols Mousses	Aerosol Sprays	Aerosol sprays VOC 55	ps Sprays / ins	Stiffness 1	Curl retention <sup>2</sup>	Stiffness 1	Curl retention <sup>2</sup>	Conditioning	Stiffness 1	Curl retention 2	Compatibility with Propan/	Compatibility with DME	REMARKS
			Activ	Phys	Reco	Mole	Tack	Gels	Aero	Aero	Aero	Pumps ( Lotions	Stiffn	Curl	Stiffr	Curl	Cond	Stiffn	Curl	Com with Buta	Com	
	Luviquat® FC 370	Polyquaternium-16	40	L	2 – 10	•						•				-	•					
ပ	Luviquat® FC 550	Polyquaternium-16	40	L	2 – 10	-						•				-						
Ιž	Luviquat® Style AT 1	Polyquaternium-16	20	L	2 – 10							•				•						Best conditioning with medium stiffness.
CATIO	Luviquat® Hold AT 2	Polyquaternium-46	20	L	2 – 10												•					
	Luviquat® PQ 11 AT 1	Polyquaternium-11	20	L	2 – 10			-				•		-		-						
	Luviquat <sup>®</sup> Supreme AT 1	Polyquaternium-68	20	L	2 – 10		-					-					-					Strongest stiffness & curl retention. Increases hair volume; Heat protection. Form flexible films with Panthenol.
	Luviset <sup>®</sup> One	Acrylates/Methacrylamide Copolymer	30	L	4 - 14			•••				•	*									* Best stiffness in gels. Long lasting curl retention. Self thickening to give crystal clear smooth gels, ideal base for gels, creams and waxes.
	Ultrahold <sup>®</sup> 8	Acrylates/t-Butylacrylamide Copolymer	100	Р	1 - 5		-															-
	Ultrahold <sup>®</sup> Power NEW	Acrylates/t-Butylacrylamide Copolymer	30	L	6-18			•														Multi-functional polymer for different applications. Good stiffness and curl retention in sprays.
O	Ultrahold <sup>®</sup> Strong	Acrylates/t-Butylacrylamide Copolymer	100	Р	1 - 15		•				-											Good stiffness and curl retention in sprays.
ĮŽ	Luvimer <sup>®</sup> 100 P	Acrylates Copolymer	100	Р	1 - 5					•••		•••						•••				
ANIONIC	Luvimer® 30 E	Acrylates Copolymer	30	L	3 - 20						-											Liquid form easy to handle and result in time & energy savings during the process.
¥	Luviflex <sup>®</sup> Soft	Acrylates Copolymer	30	L	3 - 15		-					•			•		-			-	-	Natural styling with volume. Synergies in setting when combined with cationic polymers.
	Luviset® CA 66	VA / Crotonates Copolymer	100	Р	3 – 7							•••										
	Luviset® CAN	VA / Crotonates / Vinyl Neodecanoate Copolymer	100	Р	3-6		-	•				•••	••							-		Medium setting, good price/performance. For VOC 55 % to VOC 100 %
	Luviset <sup>®</sup> P.U.R	Polyurethane-1	30	L	6 – 33	-	-															Flexible & natural hold. Nice spray pattern.
	Luviset <sup>®</sup> Shape	Polyacrylate-22	35	L	6 – 18	-	-													-		Crunchy & stiff hold with smooth sensory feel on hair. Best spray pattern.

<sup>\*</sup> P = Powder; L = Liquid; I = Isopropanol; E = Ethanol; W = Water

Thicken with Luvigel® Fit UP to achieve synergies in stiffness and curl retention

1. Setting; 2. Humidity resistance

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