Water-Based Lubricant Safety Data

WeavingVoices FOR HEALTH & JUSTICE

BEST Lubricants

pH is within optimal range of 3.8 - 4.5. and osmolality is below 380 mOsm/kg

Product name	Manufacturer	rating	pH	Osmolality mOsm/kg	Ingredients
Belle Sensilube	RB Health (US) LLC	1	3.5- 4.5	260-380	water, propylene glycol, hydroxyethylcellulose, polyacrylamide anionic, lactic acid and potassium lactate, and benzoic acid
BioNourish	Good Clean Love, Inc.	1	3.8-4.2	250-400	water, hydroxyethycellulose, hyaluronic acid, carrageenan, sodium chloride, lactic acid, potassium sorbate, sodium benzoate, ceratonia siliqua (carob) gum, xanthan gum, and calcium chloride
Bloomi Smooth water based	The Bloomi, Inc.	1	4.0-5.0	110-140	water, microcare SB, Microcare SB, hydroxyethylcellulose, cyamopsis tetragonoloba gum, citric acid, sodium hyaluronate, organic helianthus seed extract, organic camellia sinensis leaf extract
Coconu water based	United Consortium	1	4.0-5.0	42-46	Benzoate, Potassium Sorbate), Keltrol CG (Xanthan Gum), Purac FCC 50
Coconut hybrid	Good Clean Love Inc.	1	3.5-4.2	200-400	Water, hydroxyethylcellulose, fractionated coconut oil, tremella fuciformis extract, hyaluronic acid, propanediol, DL lactic acid, xanthan gum, sodium benzoate, potassium sorbate, and natural coconut flavor
Desnuda	Good Clean Love, Inc.	1	3.5-4.0	250-400	water, hyaluronic acid, hydroxyethylcellulose, xanthan gum, zemea propanediol, sodium benzoate, potassium sorbate, DL lactic acid
Glissant Intimate	Vjuvenate, llc	1	3.9-4.1	160-222	organic aloe barbadensis leaf juice, potassium sorbate, hydroxyethylellulose, stevia, flavor
Hallelubeyah Organic aloe	Lovability Inc.	1	4.0-5.0	50-180	purified water, organic aloe barbadensis leaf juice, zemea select propanediol, vegeluron gel, cellosize QP-3000-H, Xanthan gum, Sodium hyaluronate, microcare SB, citric acid, Co extract blend
Medley	Good Clean Love, Inc.	1	3.5-4.0	250-400	water, hydroxyethylcellulose, xanthan gum, hyaluronic acid, zemea propanediol, glycerin water, dimethicone, hydrogenated lecithin, sodium benzoate, potassium sorbate
Passion Natural Water	XR LLC.	1	4.0-5.0	92.5-192.5	water, propanediol, xanthan gum, methocel, sodium benzoate, potassium sorbate, citric acid, hydroxyethylcellulose
Vagivital Aktivgel	Peptonic medical AB	1	3.6-4.0	32-150	water, s-lactic acid, sodium hydroxide 2M solution, benzoic acid, hydroxypropyl methylcellulose

HIGHLY RECOMMENDED Lubricants

pH and/or osmolality are within or close to optimal ranges

Product name	Manufacturer	rating	pH	Osmolality mOsm/kg	Ingredients
Aloe Glide	Desert Harvest, Inc.	2	4.5-5.8	300-400	water, xanthan gum natapres
Astroglide Glycerin and Paraben Free	BioFilm, Inc.	2	3.5-5.5	230-300	water, polycarbophil, carbomer homopolymer, carbomer homopolymer type B,xsorbic acid and sodium hydroxide
Astroglide Sensual Strawberry	BioFilm, Inc.	2	3.5-5.5	200-450	water, glycerin, propylene glycol, methyl gluceth-20, natural and artifical strawberry flavor, clear xanthan gum, hydroxyethylcellulose, sodium gluconate, sodium saccharin, sodium benzoate, potassium sorbate, citric acid

Product name	Manufacturer	rating	pH	Osmolality mOsm/kg	Ingredients
Astroglide Ultra Gentle	BioFilm, Inc.	2	3.5-5.5	200-300	water, propylene glycol, hydroxyethylcellulose, polyquaternium 7, potassium sorbate, sodium benzoate, citric acid
Elegant (TM) 2 in 1 vaginal moisturizer	Viramai Limited	2	2.5-3.5	15-35	purified water, polycarbophil, carbomer homopolymer type B, labrafac, emulfree P, sorbic acid and sodium hydroxide.
Elegant (TM) Advanced 5	Viramai Limited	2	2.5-3.6	15-36	purified water, polycarbophil, carbomer homopolymer type B, labrafac, emulfree P, sorbic acid and sodium hydroxide.
Elegant (TM) Advanced Comphort	Viramal Limited	2	2.5-3.5	15-35	water, polycarbophil, carbomer homopolymer, carbomer homopolymer type B, Labrafac, Emulfree duo, sorbic acid and sodium hydroxide
Sage 2 in 1	Fairhaven Health	2	4.25-5.5	240-370	no ingredients provided
Sensuva Flavored	Valencia Natural Inc	2	4.0-5.0	380-550	filtered water, zemea propanediol, grogard ultra, stevia leaf ext SE 98% reb a, potassium sorbate, hydroxyethylcellulose (HEC) citric acid, natural vanilla masking plus additional flavors
Sensuva Unscented	Valencia Natural Inc	2	4.0-5.0	380-550	filtered water, zemea propanediol, grogard ultra, stevia leaf ext SE 98% reb a, potassium sorbate, hydroxyethylcellulose (HEC) citric acid, natural vanilla masking plus additional flavors
Wet Essential95 personal lubricant	Trigg Laboratories, inc.	2	4.5-5.5	150-300	aloe barbadensis leaf juice, chamomilla recutita extract; chamomilla recutita flower extract, cyamopsis tetragonoloba gum, xanthan gum, vanilla flavor, potassium sorbate, sodium benzoate, stevia rebaudiana extract, citric acid

Lubricants that failed to meet safety standards

Lubricants with good osmolality, but pH too high for vaginal safety

Product name	Manufacturer	rating	pH	Osmolality mOsm/kg	Ingredients
Gynatrof	Tyros Biopharma INC	3	5.0	120-250	water, hydroxyethyl cellulose, lactic acid, polysorbate 20, potassium sorbate, sodium hyaluronate, sodium levulinate, tocopherol
ID free personal lubricants	Westridge Laboratories, Inc	3	5.0-5.5	250-500	Water, Propanediol, Hydroxyethylcellulose, Carbomer, PEG 45M, EDTA, Tetrahydroxypropyl Ethylenediamene, Caprylhydroxamic acid, Sucrose
Smile Makers personal	LF Beauty (Thailand) limited	3	4.9-5.5	299-449	water, glycerin, propylene, glycol, methyl propanediol, carbomer, sodium benzoate, sodium hydroxide, dipotassium glycyprizate
X-Y lubricating jelly	R&R Medical Corporation LTD	3	6.0-7.0	200-900	water, glycerin, hydroxyethylcellulose, methylparaben

Lubricants with good pH, but osmolality too high for vaginal safety

Product name	Manufacturer	rating	pH	Osmolality mOsm/kg	Ingredients
#LubeLife Sensations Cooling	CC Wellness LLC	5	3.5 - 4.5	1000-1100	Aqua, Glycerin, Polysorbate 20, Propylene Glycol, Hydroxyethylcellulose, Chlorphenesin, Mentha Piperita (Peppermint) Leaf Extract and Sodium Hydroxide
#LubeLife sensations pleasure kit for two	CC Wellness LLC	5	3.5 - 4.5	950 - 1100	Aqua, Glycerin, Propylene Glycol, Hydroxyethylcellulose, chlorphenesin, Capsicum Frutescense fruit extract, PEG-60 Hydrogenated Castor Oil
#Lubelife Sensations warming	CC Wellness LLC	5	3.5 - 4.5	950 - 1100	Aqua, Glycerin, Propylene Glycol, Hydroxyethylcellulose, chlorphenesin, Capsicum Frutescense fruit extract, PEG-60 Hydrogenated Castor Oil
#Lubelife Water-Based	United Consortium	5	3.6-4.5	600-700	Propanediol, hydroxyethylcellulose, water (aqua), gluconolactone, sodium benzoate, citric acid
Agape Cooling	CC Wellness LLC	5	3.5-4.5	500 to 750	water, propanediol, gluconolactone, hydroxyethycellulose, sodium benzoate, polysorbate 20, cirtric acid and mentha piperita (peppermint) leaf extract
Agape Warming	CC Wellness LLC	5	3.5-4.5	575 to 750	water, propanediol, gluconolactone, hydroxyethylcellulose, sodium benzoate, polysorbate 20, citric acid and capsicum oleoresin
Astroglide Organix gel	BioFilm,Inc.	5	3.5-5.5	500-1000	water, glycerin, xanthan gum, gelluan gum, aloe barbadensis powder, chamomilla recutita, flower extracts, calendula officinalis flower extract, vaccinium macricarpon fruit extract, passiflora incarnata flower extract, sodium benzoate, potassisum sorbate, cirtric acid
Astroglide Warming	BioFilm, Inc.	5	3.5-5.5	2600-2800	water, glycerin, propylene glycol, polyquatemium-7, citric acids
H20 Cooling Personal Lubricant	CC Wellness LLC	5	3.5 - 4.5	1000-1100	Aqua, Glycerin, Polysorbate 20, Propylene Glycol, Hydroxyethylcellulose, Chlorphenesin, Mentha Piperita (Peppermint) Leaf Extract and Sodium Hydroxide
H20 Warming personal lubricant	CC Wellness LLC	5	3.5 - 4.5	950 - 1100	Aqua, Glycerin, Propylene Glycol, Hydroxyethylcellulose, chlorphenesin, Capsicum Frutescense fruit extract, PEG-60 Hydrogenated Castor Oil
INA moisturizing intimate water base P.L	Project Chemistry	5	4.3-5.3	1394-1428	Deionized Water, Organic Certified Aloe Vera Gel, Madecassoside, Asiaticoside, Centella Asiatica Leaf Extract, Propanediol, Sclerotium Gum, Sodium Hyaluronate, Tremella Fuciformis Sporocarp Extract, Xanthan Gum, Lactic Acid, Red Alga Gel EC, Sodium Benzoate, Potassium Sorbate, Moringa Oleifera Seed Oil, Cariborg Sea Buckthorn Oil Refined.
JO 2 To Tango for Me (cooling)	CC Wellness LLC	5	3.5 - 4.5	1000-1100	Aqua, Glycerin, Polysorbate 20, Propylene Glycol, Hydroxyethylcellulose, Chlorphenesin, Mentha Piperita (Peppermint) Leaf Extract and Sodium Hydroxide
JO 2 To Tango for You (warming)	CC Wellness LLC	5	3.5 - 4.5	950 - 1100	Aqua, Glycerin, Propylene Glycol, Hydroxyethylcellulose, chlorphenesin, Capsicum Frutescense fruit extract, PEG-60 Hydrogenated Castor Oil
JO Agape Original	United Consortium	5	3.6-4.5	600-700	Propanediol, hydroxyethylcellulose, water (aqua), gluconolactone, sodium benzoate, citric acid

Product name	Manufacturer	rating	pH	Osmolality mOsm/kg	Ingredients
JO Coconut Hybrid Warming	CC Wellness LLC	5	4.0-5.25	800-1075	water, propylene glycol, caprylic/capric triglyceride, cocos nucidera (coconut) oil, flavor, phenoxyethanol, polycrylate 13, cellulose gum, raphanus sativus seed extract, niacin, polyicobutene, polysorbate 20, dipropylene, glycol, vanilly butyl ether, PEG-45M, butyrospermum parkii butter extract, ethyl menthane carboxamide, methyl diisopropyl propionamide, polycorbate 80, caprylyl glycol, pehenthyl alcohol, ethylhexylglycerin, beeswax, glyceryl stearate, hydroxypropylcellulose, menthyl lactacte, PEG-100 stearate, stearamidopropyl dimethylamine lactacte, polyquaternium-67
JO H2O Jelly Original	United Consortium	5	4.0-5.0	1050-1250	glycerine USP, Natrosol 250 HHX, Aqualon sodium carboxymethyl cellulose 7H 35F, water, norsene 100, sodium benoate, potassium sorbate, premix citric acid 50% blend
Joylux intimacy gel	Joylux, Inc.	5	4.0-5.0	900-7800	water, hydroxyethylcellulose, polyquaternium-5, propylene glycol, PEG-45, aloe vera 200x powder, sodium hyaluronate, geogard ultra (gluconolactone and sodium benzoate)
KY Banksy Moisture	RB Health (US) LLC	5	3.5 - 4.5	1050 - 1250	xantham gum, propanediol, glycerin, benzoic acid, purac BF p/41, sodium hyaluronate, water
KY Grosz	RB Health (US) LLC	5	3.5 - 4.5	690-1090	water, PEG - 400, propylene glycol, zanthan gum, carbomer, benzoic acid, sodium saccharin, sodium hydroxide
KY Grosz Jelly	RB Health (US) LLC	5	3.5-4.5	780-1180	water, propylene glycol, hydroxyethylcellulose, benzonic acid, carbomer, sodium hydroxide
KY Grosz UltraGel	RB Health (US) LLC	5	3.5-4.5	780-1180	water, glycerin, propylene glycol, hydroxyethylcellulose, benzonic acid, sodium saccharin, sodium hydroxide
KY Play Aloe	RB Health (US)LLC	5	3.5-4.5	695-1,095	water, propylene glycol, xanthan gum, carbomer, benzoic acid, sodium hydroxide, sodium saccharin, flavor
KY Play Cherry	RB Health (US)LLC	5	3.5-4.5	683-1,083	water, propylene glycol, xanthan gum, carbomer, benzoic acid, sodium hydroxide, sodium saccharin, flavor
KY Play Feel	RB Health (US) LLC	5	3.5-4.5	663- 1,063	water, propylene, glycol, zanthan gum, carbormer, benzoic acid, and sodium hydroxide
KY Play Guarana	RB Health (US)LLC	5	3.5-4.5	710-1,110	water, propylene glycol, xanthan gum, carbomer, benzoic acid, sodium hydroxide, sodium saccharin, flavor
KY Play Strawberry	RB Health (US)LLC	5	3.5-4.5	742-1,143	water, propylene glycol, xanthan gum, carbomer, benzoic acid, sodium hydroxide, sodium saccharin, flavor
KY Play Tingling	RB Health (US)	5	3.5-4.5	883-1200	water, propylene glycol, carbomer, xanthan gum, sensate, benzoic acid, sodium saccharin, sodium hydrixide
KY Play Ylang	RB Health (US)LLC	5	3.5-4.5	720-1,120	water, propylene glycol, xanthan gum, carbomer, benzoic acid, sodium hydroxide, sodium saccharin, flavor
KY Yours and Mine	RB Health (US)	5	3.5-4.5	883-1200	water, propylene, glycol, carbomer, xanthan gum, sensate, benzoic acid, sodium saccharin, sodium hydroxide
Love Sesh	Playground for all	5	4.0-5.5	2000-6000	water, glycerin, propanediol, bamboo bioferment PF, sodium hyaluronate, CMC cellulose, Citric Acid, Carubba Blend, Tocopheryl acetate, sodium benzoate, potassium sorbate
Mia Vita	Femmepharma Consumer Hea	5	3.8-4.6	2300-2800	water, glycerin, propylene glycol, hydroxyethylcellulose, sodium hyaluronate, hydrochloric acid, methylparaben , vitamin E

Product name	Manufacturer	rating	pH	Osmolality mOsm/kg	Ingredients
Personal Jelly	Nantong Health & Beyond Hygi	5	4.0-5.5	450-600	water, hydroxyethylcellulose, glycerin, phenoxyethanol, sodium benzoate, lactic acid
Pjur AQUA	Pjur Group	5	4.1-4.7	500-625	water, glycerin, ethoxydiglycol, phenoxyethanol, hydroxypropyl guar hydroxypropyltrimonium chloride, hydroxyethylecellulose and citric acids
Pjur Med Sensitive Glide	Pjur Group	5	4.0-4.5	500-700	water, 1,2 propylene glycol , ethyoxydiglycol, hydroxypropyl guar, hydroxypropyltriminium chloride, hydroxyethylcellulose, sodium saccharin, citric acid
Pjur Women Aloe	Pjur Group	5	4.0-4.5	400- 550	water, glycerin, xanthan gum, benzyl alcohol, sodium benzoate, citric acid, postassium sorbate, aloe barbadensis leaf juice powder
Pjur Women Nude	Pjur Group	5	4.0-4.5	500-700	water, 1,2 propylene glycol , ethyoxydiglycol, hydroxypropyl guar, hydroxypropyltriminium chloride, hydroxyethylcellulose, sodium saccharin, citric acid
Replens Long-lasting Vaginal Moisturizer	Church & Dwight Co.,Inc.	5	2.5-3.5	1200- 2000	water, glycerin, mineral oil, polycarbophil, carbomer homopolymer Type B, hydrogenated palm oil glyceride, sorbic acid, Benzyl alcohol, Ethylhexlyglycerin, tocopherol, and sodium hydroxide
Trophikos vaginal moisturizer	Trophikos, LLC	5	3.8-4.6	750-840	purified water, glycerin, propylene glycol, hydroxyethylcellulose, sodium hyaluronate, hydrochloric acid, methylparaben, vitamin E
Vagisan Moistcream Cremolum	Dr. August Wolff GmbH and Cc	5	4.0-5.0	600-1200	hydrogenated coco-glycerides, lactic acid, calcium acetate, cetearyl alcohol, PEG -20 glyceryl stearate, sodium carbomer
Woo More Play coconut love oil	Woo Essential, Inc.	5	4.0-5.5	500-2,000	cocos nucifera (coconut) oil, caprylic/capric triglyceride, beeswax, deionized water, stevia rebaudiana leaf extract, jojoba esters, helianthus annuus (sunflower) seed wax, acacia decurrens flower wax, polyglycerin-3, and natural flavor.

Lubricants with both pH and osmolality too high for vaginal safety

Product name	Manufacturer	rating	pH	Osmolality mOsm/kg	Ingredients
Coconu infused hybrid personal lubricant	United Consortium	6	5.7-6.3	450-900	water, propylene glycol, caprylic/ capric triglyceride, cocos nucifera (coconut) oil, Flavor (aroma), phenoxyethanol, Polyacrylate 13, cellulose gum (sodium carboxymethylcellulose), raphanus sativus (radish) seed extract, polyisobutene, polysorbate 20, PEG -45m
JO Coconut Hybrid Cooling	CC Wellness LLC	6	5.50-6.50	775-950	water, propylene glycol, caprylic/capric triglyceride, cocos nucidera (coconut) oil, flavor, phenoxyethanol, polycrylate 13, cellulose gum, raphanus sativus seed extract, niacin, polyicobutene, polysorbate 20, butyrospermum parkii butter extract, ethyl menthane carboxamide, methyl diisopropyl propionamide, beeswax glyceryl stearate, stearamidopropyl dimethylamine lactate, PEG45M, caprylyl glycol, phenethyl alcohol, ethylhexylglycerin, polyquaternium-67
Jo Cumplay	CC Wellness LLC	6	6.9-8.0	700-1000	water, propylene glycol, dimenthicone, dimethiconol, lauryl flucoside, aloe barbadensis leaf podwer, vitamine E Acetate, Hydroxyethylcellulose, PEG-90M, hydrogenated polydecene, acrylic copolymer, sodium acrylates/beheneth-25 metharylate crosspolymer, chlorphenesin

Product name	Manufacturer	rating	pH	Osmolality mOsm/kg	Ingredients

Jo For Him H2O Gel original	United Consortium	6	5.25-7.5	600-900	water, acrylates/C10-30 alkyl acrylate crosspolymer, glycerin, methylparaben, proplyparaben, hydroxyethylecellulose, sodium hydroxide
LuBi Water	Boya Biotechnology Co	6	7.5-8.0	1,000-1100	water, glycerin, propylene glycol, hydroxyethyl cellulose, sodium hyaluronate, potassium sorbate, citric acid, disodium EDTA
Personal Lubricant	Shenzhen Huanqiu Xuebao Te	6	5.0-6.0	500-600	water, glycerol, hydroxyethyl cellulose, potassium sorbate, methylparaben, carbomer, and triethanolamine
Play and Joy water based	InnoveMed Bio-tech Co., Ltd	6	4.92-5.38	944-984	water, xanthum gum, glycerin, chondrus crispus extract, sodium hyaluronate, saccharide isomerate, hydroxyethylcellulose, citric acid, sodium citrate, lactic acid, 1,2 pentanediol, phenoxyethanol, Iodopropynl butylcarbamate, hydroxyacetophenone, gluconolactone, sodium benzoate
Select hybrid personal lubricant	Select Labs, LLC	6	5.62-6.07	744-783	Water, Cyclopentasiloxane, Dimethicone, Dimethiconol, Methylparaben, CellosizeTM Hydroxyethyl Cellulose PEG-10, Propylene Glycol
Solevy Co. LLC water based lubricant	Solevy Co.LLc	6	6.0-7.0	750-950	glycerin, water, cellulose gum, methylparaben, propylparaben
Water soluble personal lubricant	Foshan PingChuang Medical te	6	5.0-6.0	700-850	water, propylene glycol, hydroxyethyl cellulose, sodium hyaluronate, potassium sorbate, citric acid, EDTA-2Na, sodium polyacrylate
Wet Water	Trigg Laboratories Inc.	6	6.0-7.5	3691-6140	propylene glycol, water, dimethicone, cyclopentasiloxane, PEG/PPG 18/18 dimethicone, caprylhydroxamic acid, 1,2-hexanediol, propanediol, sodium polyacrylate, trideceth-6
WLX and Bio human lubricant	Jiangxi Wulinxiang	6	5.5-7.5	750-950	Water, Glycerin, Propylene Glycol, Carbomer, Hydroxyethylcellulose, Triethanolamine, and Phenoxyethanol

Notes:
1) These data are pulled from 510(k) premarket notification summaries submitted to the U.S. Food and Drug Administration by manufacturers, and have not been independently verified.
2) In some cases, product names on the market today may differ from the product names originally submitted with 501(k) forms.
3) This list is not meant to be exhaustive. We could not identify 510(k) form summaries for all lubricant products on the market today. Some 510(k) form summaries did not include pH or osmolality data.
4) Companies wishing to update or correct any information on this table may contact womensvoices@womensvoices.org with new information.

Source: U.S. FDA 510 (k) Premarket Notfication Database: https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm