

INTIMATE CARE

Product Guide

**Formulated  
for passion**

innospec 

# INTIMATE CARE

## Introducing Innospec’s collection of ingredients and formulations for intimate care.

This booklet has been developed to capture our specialised ingredients and formulations for Intimate Care applications. Whether for Standard Personal Lubricants, Condom Lubricants or Specialty Lubricants, we offer best-in-class ingredients with unique attributes that will never fail to perform and excite. Combining a ‘formulated for passion’ approach with knowledge and expertise means we have the opportunity to develop specialised, custom products and formulations.

We pride ourselves on having an expert technical team with the ability to develop some of the newest innovations and are committed to providing a full service.

Innospec products are more than ingredients, they are solutions designed to meet every customer’s unique needs. Allow us to take you on a journey from concept development, right through to the success of your finished product.

See the back of this guide to find out how our Cost Advantage Program can help optimise your production process.

# Product matrix

Product Name	Specialty Lubricants	Condom Lubricants	Standard Lubricants	Massage Oils/Gels
Emulsil® WSL	✓	✓		✓
Emulsil® WSL-CF	✓	✓		✓
XO-Therm® CG	✓			✓
XO-Therm® SP	✓			✓
XO-Therm® LH	✓			✓
XO-Therm® IG	✓			✓
Cosmetic Fluid 3569-DM			✓	✓
Cosmetic Fluid 3569-DM HV			✓	✓
Cosmetic Fluid 2006-OH			✓	✓
Cosmetic Fluid 0515-OH			✓	✓
Cosmetic Fluid 7007-DM			✓	✓
Cosmetic Fluid 3568-OH			✓	✓
Cosmetic Fluid 2002-DM		✓		
Cosmetic Fluid 9502-DM		✓		
Dimethisil® DM-200		✓	✓	✓



# Innovative ingredients

Innospec's technical experts and marketing trends analysis team are focused on bringing specialised ingredients to market and to develop novel formulations for Intimate Care applications.

Our breakthrough Specialty Lubricant products include a range of self-warming fluids for formulating the next hot product and Silicone-in-Water concentrates to provide a longer lasting experience with an elegant skin feel. This range of ingredients provide exciting opportunities to bring innovation and impressive cost savings to your formulation.

## Specialty Lubricants - Emulsil®

### Emulsil® WSL

**INCI Name** Cyclopentasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer (and) Hydroxyethyl Acrylate (and) Sodium Acryloyl Taurate Copolymer (and) Cyclohexasiloxane

**CAS Number** 541-02-6, 156065-02-0, 888-77-9, 111286-86-3, 540-97-6

Emulsil® WSL is a pre-emulsified specialty Silicone-in-Water silicone phase concentrate that creates clear Silicone-in-Water emollients lubricants. Specifically designed for long lasting lubricity with an elegant skin feel. Emulsil® WSL can create cost effective formulations capable of incorporating water and oil based sensates. When used in water based lubricants, the osmolality contribution is <10.

### Emulsil® WSL-CF

**INCI Name** Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer (and) Hydroxyethyl Acrylate (and) Sodium Acryloyl Taurate Copolymer

**CAS Number** 541-02-6, 156065-020, 888-77-9, 111286-86-3

Emulsil® WSL-CF is a cyclic free version of Emulsil® WSL. When used in water based lubricants, the osmolality contribution is <10.

Osmolality  
contribution:  
**<10**

# Specialty Lubricants - XO-Therm®

## XO-Therm® LH

**INCI Name** PEG-4 (and) PEG-8 (and) PVP  
**CAS Number** 25322-68-3, 9003-39-8  
**Viscosity (cSt)** 175

XO-Therm® LH is an oil-free, self-warming fluid for use in massage oils and anhydrous lubricants. Specially designed for applications where lower heat generation is desired.

## XO-Therm® IG

**INCI Name** PEG-4 (and) PEG-8 (and) PVP  
**CAS Number** 25322-68-3, 9003-39-8  
**Viscosity (cSt)** 200

XO-Therm® IG is an oil-free, self-warming fluid with a lower viscosity. Instantly warms upon contact with moisture, for use in massage oils and anhydrous lubricants.

## XO-Therm® CG

**INCI Name** PEG-4 (and) PEG-8 (and) PVP  
**CAS Number** 25322-68-3, 9003-39-8  
**Viscosity (cSt)** 550

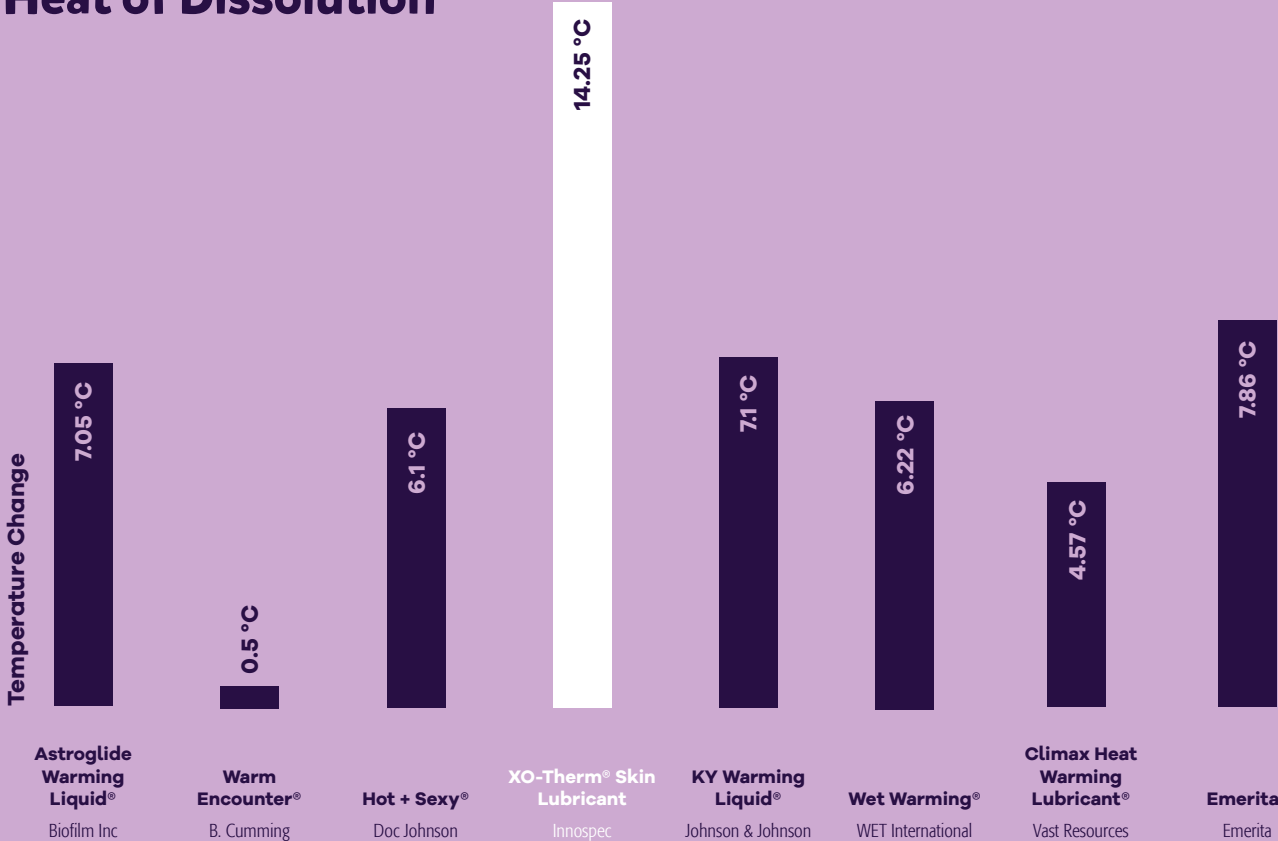
XO-Therm® CG is an oil-free, self-warming fluid with a lower viscosity. Instantly warms upon contact with moisture and can be used in massage oils and anhydrous lubricants.

## XO-Therm® SP

**INCI Name** PEG-4 (and) PEG-8 (and) PVP  
**CAS Number** 25322-68-3, 9003-39-8  
**Viscosity (cSt)** 1,900

XO-Therm® SP is a medium viscosity, oil-free, self-warming fluid that instantly warms upon contact with moisture. XO-Therm® SP can be used in massage oils and anhydrous lubricants where a warming sensation and emolliency are desired.

# Heat of Dissolution







# Enhanced performance

Our Standard Personal Lubricant ingredients offer a variety of viscosities and play-time, all designed for an enhanced, long-lasting experience for use in different applications for Intimate Care.

## Standard Personal Lubricants

### Cosmetic Fluid 3568-OH

**INCI Name** Cyclopentasiloxane (and) Dimethicone (and) Dimethiconol

**CAS Number** 541-02-6, 70131-67-8

**Viscosity (cSt)** 250

Cosmetic Fluid 3568-OH is a cost effective, lubricious non-greasy, non-tacky lubricant with an extra long lasting cushion.

### Cosmetic Fluid 3569-DM

**INCI Name** Cyclopentasiloxane (and) Dimethicone

**CAS Number** 541-02-6, 631-148-62-9

**Viscosity (cSt)** 250

Cosmetic Fluid 3569-DM is an oil-free, non-greasy lubricant that provides excellent lubricity without tackiness and promises to add silky softness to your formulation.

### Cosmetic Fluid 3569-DM HV

**INCI Name** Cyclopentasiloxane (and) Dimethicone

**CAS Number** 541-02-6, 631-148-62-9

**Viscosity (cSt)** 500

Cosmetic Fluid 3569-DM HV is a higher viscosity, less mobile version of Cosmetic Fluid 3569-DM.

### Cosmetic Fluid 2006-OH

**INCI Name** Dimethicone (and) Dimethiconol

**CAS Number** 631-148-62-9, 701-67-8

**Viscosity (cSt)** 600

Cosmetic Fluid 2006-OH is a premium intimacy lubricant designed to feel natural and pleasurable with a silky, non-greasy feel and improves spreadability.

### Cosmetic Fluid 0515-OH

**INCI Name** Dimethicone (and) Dimethiconol

**CAS Number** 63148-62-9, 70131-67-8

**Viscosity (cSt)** 5,000

Cosmetic Fluid 0515-OH is a high viscosity emollient for ease of spreading and long lasting lubrication with a smooth, non-tacky after-feel on the skin. Cosmetic Fluid 0515-OH is widely used in skin slip applications.

### Cosmetic Fluid 7007-DM

**INCI Name** Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer

**CAS Number** 63148-62-9, 156065-02-0

**Viscosity (cSt)** 20,000

Cosmetic Fluid 7007-DM is a cyclic-free, clear silicone elastomer gel that provides long-lasting skin emolliency. Cosmetic Fluid 7007-DM is a unique loosely crosslinked dimethicone cross polymer to provide excellent playtime, cushion and feel.



Formulated  
to last all  
night long

Innospec's premium range of Condom Lubricant ingredients provide enhanced skin-feel, with a long lasting luxurious play time, formulated for passion.

## Condom Lubricants

### Dimethisil® DM-200

**INCI Name** Dimethicone  
**CAS Number** 541-02-6  
**Viscosity (cSt)** 200

Dimethisil® DM-200 is a standard viscosity silicone lubricant, providing a long lasting silky soft feel for condom applications.

### Cosmetic Fluid 2002-OH

**INCI Name** Dimethicone (and) Dimethiconol  
**CAS Number** 631-148-62-9, 701-67-8  
**Viscosity (cSt)** 200

Cosmetic Fluid 2002-OH is an advanced condom lubricant for an enhanced skin feel with a long lasting, non-tacky glide.

### Cosmetic Fluid 9502-DM

**INCI Name** Cyclopentasiloxane (and) Dimethicone (and) Dimethicone/  
Vinyl Dimethicone Crosspolymer  
**CAS Number** 541-02-6, 63148-62-9, 156065-02-0  
**Viscosity (cSt)** 4,000

Cosmetic Fluid 9502-DM is a premium, luxurious lubricant with a long-lasting play time for a unique skin feel in a non-tacky, non-greasy formulation.





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your passion**

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## A pleasure doing business

**Innospec knows that finding the right partner can be difficult. Mutual trust and understanding are essential to creating the perfect relationship. We believe that our unrivalled experience in creating bespoke formulations, optimizing your productivity and delivering quality to you at every step makes us your ideal match.**

Innospec's Cost Advantage Program works together with your company to drive down costs and give you the flexibility to create the most desirable and exciting Intimate Care products. We appreciate the pressures that modern, fast-paced product development can create and we relish the opportunity to support you. Our Cost Advantage Program offers it all; cost saving, convenience, flexibility, quality and service. So let's start a conversation and we'll make sure it's your name on everyone's lips.

**For inspiration, ideas or further information, please contact us:**

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## Cost Advantage Program (CAP) Essentials

We want you to be delighted to work with a company that truly understands you. We know that creating appealing, functional, safe and effective Intimate Care products has its own unique set of challenges and we're here to help. The CAP is ideally suited for creating anhydrous silicone-based formulations with additions of a wide range of sensates including fragrances, essential oils and vitamins.

We can create a blended base to which you add your own finishing touches or we can provide you with fully-formulated finished products. You don't need to be making tonnes of material either, our low minimum order quantity (MOQ) of just 400kg allows you to try out new concepts, quickly bring more SKUs online or rapidly respond to consumer demand, giving you the edge in the marketplace.

### Imagine...

**"Your company has identified certain desirable attributes in market leading products that they'd like to emulate and bring to market but your technical department is small and already running flat out. You know this would be 'quick win' as these types of product are so popular with consumers. Using Innospec's Cost Advantage Program we can pinpoint the qualities using our wide range of expertise and ingredients to understand both composition and also the sensorial profile.**

**We then work with our formulators to create a match and send blind samples to you to test. We can do any further testing and development required allowing your technical person to cross that project off their list. We manufacture the finished product and ship to you in drums and all at very competitive costs versus the time and inventory required to do this in-house."**



## Making it easier

Not everything in life has to be hard. Handling silicones is notoriously tricky, the need to keep systems anhydrous plus the clean-up and disposal can all add to cost and slow down your production. The idea behind CAP is that Innospec can work alongside you and our team freeing up time and capacity to work on the next big thing. We order the stock, manage the inventory and make the product. You get 100%; no losses and best of all the quality control is Innospec's risk, your product is delivered to your specifications every time without fail.

### Picture this...

**"A mid-sized customer already purchasing one of Innospec's silicone blends said that their plant was extremely busy. On further discussion they told us that they simply add fragrance and some other small volume additives to the Innospec-supplied product, mix and pack.**

**We said why not let us take on the job of making the complete formulation for you under our Cost Advantage Program. We signed the customer's confidentiality agreement; they then shared the formula with us knowing that their secret is safe. We were able to create the product and even gave them the choice to receive it in drums or IBCs. The end cost for them was the same as if they did it in-house, but importantly it freed up their manufacturing team to tackle some of their other projects."**

## Quality and Services

Our highly trained and experienced personnel work in state-of-the-art facilities to the highest standards. The CAP manufacturing plants are all accredited to cGMP standard. Our unsurpassed product quality ensures purity and confidence in performance.

Whether your brief is to match the performance of a market leader, create a defined sensorial profile or, indeed, you would like a little inspiration we have the capabilities to create and deliver.

### Does this sound familiar...?

**"A small company had a great concept for a new range of products but no resource to conduct market research. They didn't want to commit to making large batches of product that they may never be able to sell. With Innospec's Cost Advantage Program the minimum order quantity (MOQ) is just 400kg. We can help to formulate and manufacture that small batch of an anhydrous silicone 'chassis' for you to add a range of additives and sensates to meaning that you could quickly put 6-8 new SKUs on your books.**

**The beauty here is that Innospec buy and hold the raw material inventory, the customer would only pay for the finished product required, meaning that you can bring new launches to market quickly or extend an existing line with very little investment or risk if things don't go to plan."**

# Additional Supplementary Ingredients

Our extensive range of Specialty Silicones doesn't stop there. We offer an impressive list of additional products to coincide perfectly with your selected ingredients and develop a formulation that's created for passion.

Product Name	INCI Name	CAS Number	Viscosity (cSt)	Features
Volasil® 990	Cyclopentasiloxane	541-02-6	4	Volatile cyclic carrier with Cyclotetrasiloxane level less than 0.1%
Volasil® 7525	Cyclopentasiloxane (and) Cyclohexasiloxane	541-02-6 540-97-6	4.5	Specialty blend of Volasil® 995 and Volasil® 996. Slow volatility cyclic carrier with Cyclotetrasiloxane for extended lubrication
Volasil® DM-2	Dimethicone	63148-62-9	2	Volasil® DM-2 is a volatile carrier and finds uses where volatility is key without cyclic silicones
Dimethisil® DM-5	Dimethicone	63148-62-9	5	Non-volatile carrier and lubricant leaving a light, greaseless after-feel
Dimethisil® DM-10	Dimethicone	63148-62-9	10	Non-volatile carrier and lubricant, offers great lubricity without greasiness
Dimethisil® DM-20	Dimethicone	63148-62-9	20	Non-volatile carrier and lubricant, offers great lubricity without greasiness
Dimethisil® DM-50	Dimethicone	63148-62-9	50	Non-volatile carrier that offers excellent light lubricity

Product Name	INCI Name	CAS Number	Viscosity (cSt)	Features
Dimethisil® DM-100	Dimethicone	63148-62-9	100	Medium viscosity lubricant
Dimethisil® DM-200	Dimethicone	63148-62-9	200	Dimethisil® DM-200 is a highly used ingredient in formulating lubricants. This product can also be supplied an as ingredient in development of custom formulations.
K-13	Cyclomethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	541-02-6 156065-02-0	Gel	Long lasting lubricant in a volatile carrier with an elegant skin-feel
K-17	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	63148-62-9 156065-02-0	Gel	Long lasting lubricant in a non-volatile Dimethicone carrier. Useful thickening agent for various oils
K-61	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	63148-62-9 156065-02-1	Gel	Long lasting lubricant in a volatile Dimethicone carrier
K-56	Diphenylsiloxy Phenyl Dimethicone	352230-22-9	15	Long-lasting Lubricant
K-57	Phenyl Trimethicone	70131-69-0	23	Superior product with a light, greaseless after-feel
Cosmetic Fluid 9502-DM	Cyclopentasiloxane (and) Dimethicone (and) Dimethicone/Vinyl Crosspolymer	541-02-6 63148-62-6 156065-02-0	4000	Cosmetic Fluid 9502-DM is a highly used ingredient in formulating lubricants. This product can also be supplied an as ingredient in development of custom formulations.

## Take Advantage

### Cost Savings

- 100% yield
- No product contamination
- Eliminate sourcing and purchasing expenses
- Reduction in drum handling labor
- Decreased on-site inventory
- Lower drum disposal costs
- No clean-up

### Service

- Complete confidentiality, customer owns the IP
- Development of 'signature' formulations
- Reliable and flexible manufacturing
- Rapid order fulfilment
- Low minimum batch size (400kg)

### Quality

- State-of-the-art facilities
- QC entirely Innospec's responsibility
- Experienced personnel
- Vast silicone experience
- Dedicated compounding vessels
- No product contamination

### Convenience

- Inventory minimization
- Frees up core staff time for other ventures
- No mixing and cleaning losses
- Full service from developing and formulating to manufacture and delivery

## Additional Sensates we can provide



Vitamin E Acetate



Aloe



Capric/Caprylic Triglycerides



Flavours/Fragrance



Menthol



Peppermint oil



Clove oil



Coconut oil



Shea butter