

MICRO PROTECTION

Product

Description

BIOAVAILABILITY ENHANCER

 **Hydrolite® 5 (616751)***INCI: Pentylene Glycol*

- True multi-functional product! Best Seller for over 15 years!
- 8 benefits in one product (moisturization product preservation, penetration enhancer, SPF booster, DHA accelerator, Fragrance enhancer, solubilizer, emulsion stabilizer)
- New Natural version available!

MULTIFUNCTIONALS (Antimicrobials / Paraben Replacers)

 **SymSave® H (979940)***INCI: Hydroxyacetophenone*

- Nature identical molecule found in Arctic Cloudberry
- Powerful preservative booster suitable for all personal care systems
- Works optimally with organic acids (below pH 6)
- Combination with SymOcide C offers global non-controversial preservative systems
- Does not destabilize surfactant systems (vs glycol systems)

 **SymDiol® 68 (108580)***INCI: 1,2-Hexanediol, Caprylyl Glycol*

- Moisturizer
- Synergistic ready-to-go alkanediol blend that provides complete product protection
- Used widely in sensitive skin formulations

 **Hydrolite® 6 (841129)***INCI: 1,2-Hexanediol*


- Good moisturizer providing product protection
- Very pure, colorless liquid, almost odorless
- Good solubilizer
- Optimal for eye formulations
- Also used widely in baby formulations (non-penetrating)

 **SymDiol® 68T (177441)***INCI: 1,2-Hexanediol, Caprylyl Glycol, Tropolone*

- Moisturizer and antioxidant that provides broad spectrum product protection
- Complete kill in 2 days
- Suitable for sunscreens, where micro issues are prevalent

 **SymTriol® (399870)***INCI: Caprylyl Glycol, 1,2-Hexanediol, Methylbenzyl Alcohol*

- Moisturizer that provides broad spectrum product protection
- Complete kill in 2-7 days
- Suitable for use in high pH applications (up to 12), including oral care


 **IECIC listed (China approved)**


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MULTIFUNCTIONALS (Antimicrobials / Paraben Replacers)


-  **SymClariol® (344028)**
INCI: Decylene Glycol
 - Moisturizer with broad spectrum activity: anti-acne, anti-dandruff, deodorant, hygiene, product preservation, foam/viscosity booster


-  **Hydrolite® CG (199602)**
INCI: Caprylyl Glycol
 - World leader in Caprylyl Glycol production
 - Moisturizer that provides product protection
 - >98% purity (higher purity, 99%, also available)


PRESERVATIVES (PARABEN FREE)


-  **SymOcide® C (510633)**
INCI: o-Cymen-5-ol
 - One of few if only non controversial globally approved preservatives left on market
 - New solution for customers who want a registered preservative but cant use MIT/paraben, formaldehyde donors
 - Odorless white powder
 - Globally-approved preservative
 - Works optimally with SymSave H (.5% SymSave H / .5% SymOcide C)

-  **SymOcide® PH (973949)**
INCI: Phenoxyethanol, Hydroxyacetophenone, Caprylyl Glycol, Water (Aqua)
 - Liquid, ready-to-go blend, featuring SymSave® H
 - Broad spectrum preservative blend with antioxidant activity

-  **SymOcide® PS (510179)**
INCI: Phenoxyethanol, Decylene Glycol, 1,2-Hexanediol
 - Optimal for silicone-based systems
 - Effective broad spectrum preservative blend
 - Fast, complete kill in 2-7 days
 - Does not destabilize most emulsions

-  **SymOcide® PT (177439)**
INCI: Phenoxyethanol, Tropolone
 - Very effective broad spectrum preservative blend
 - Excellent antioxidant efficacy
 - Optimal for only colorized products (tropolone can discolor)

-  **SymOcide® PC (510631)**
INCI: Phenoxyethanol, Caprylyl Glycol
 - 100% equivalent to Optiphen™ (Ashland)
 - Very effective broad spectrum preservative blend

-  **SymOcide® CPX (747194)**
INCI: Caprylyl Glycol, Phenoxyethanol, Hexylene Glycol
 - Very effective cosmetic preservative blend

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ANTI-ACNE / SEBUM CONTROL

**SymClariol® (344028)***INCI: Decylene Glycol*

- Moisturizer with broad spectrum activity: anti-acne, anti-dandruff, deodorant, hygiene, product preservation

DEODORANTS

SymDeo® B125 (399939)*INCI: 2-Methyl 5-Cyclohexylpentanol*

- Specific activity against gram-positive bacteria, responsible for body odor
- Effectively disrupts biofilm caused by *C. xerosis*
- Reduction of body odor at 24, 48 and 72 hours
- Triclosan replacer

SymDeo® MPP (161744)*INCI: Dimethyl Phenylbutanol*

- Effective deodorant
- Fairly specific activity against body odor causing gram-positive bacteria
- Triclosan replacer

**Farnesol (130329)***INCI: Farnesol*

- Nature-identical compound
- Selective activity against gram-positive bacteria responsible for body odor
- Activity against dermatophytes
- Equivalent deodorant properties as triclosan

**Farnesol Plus (660372)***INCI: Phenoxyethanol, Farnesol, Glyceryl Laurate*

- Nature-identical, synergistic complex of active ingredients with deodorizing properties
- Low cost

**SymDeo® Plus (763003)***INCI: Lauryl Alcohol, Phenoxyethanol, 2-Benzylheptanol, Decylene Glycol*

- Deodorant active complex
- Effective against gram-positive bacteria responsible for body odor
- Low cost alternative to conventional organohalogens such as triclosan or triclocarban

HYGIENE

**SymGuard CD (675075)***INCI: Phenylpropanol, o-Cymen-5-ol, Decylene Glycol*

- Quickly protects the skin as fast reduction of hygiene relevant gram-negatives *E. coli* and *P. aeruginosa*
- Non-organohalogen alternative to triclosa and triclocarban
- Efficient antioxidant
- Environmental friendly
- Readily biodegradable



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