

**DAEDAL
INDUSTRIAL CO.,LTD.**

**GROWING
TOGETHER**





SYNTHETIC INGREDIENTS

- HIDAL S-5P
- HIDAL S-6P
- HIDAL S-8
- HIDAL S-181

NATURAL BASED INGREDIENTS

- HIDAL S-180
- HIDAL S-280
- HIDAL S-211

DEVELOPING PRODUCTS

- HIDAL S-352
- HIDAL S-12

SYNTHETIC INGREDIENTS

Trade Name	INCI	Cas no.	Purity(%)	Form	Recommend dosage (%)	Shelf-Life (without open)	IECIC Cosmetics China	Euro Reach
HIDAL S-5P	1,2-Pentanediol	5343-92-0	Min.99	Liquid	3.0~5.0	2 Years	Yes	No
HIDAL S-6P	1,2-Hexanediol	6920-22-5	Min.99	Liquid	1.0~2.0	2 Years	Yes	Yes
HIDAL S-8	Caprylyl glycol	1117-86-8	Min.98.5	White solid	0.3~1.0	2 Years	Yes	Yes
HIDAL S-181	Ethylhexyl-glycerin	70445-33-9	Min.98.5	Liquid	0.3~1.0	2 Years	Yes	Yes

HIDAL S-5P

Product name

1,2-Pentanediol / Pentylene glycol

CAS number

5343-92-0

Shelf-Life

2 Years(without open)

Benefits

- Excellent moisturizer
- Good anti-microbial effect
- Good combination with other glycols
- Enhance water resistance

Physical form

Liquid

Purity

Min 99%

Applications

- Liquid Eyeliner
- Anti-aging essence
- Cream

HIDAL S-6P

Product name

1,2-Hexanediol

CAS number

6920-22-5

Shelf-life

2 Years(without open)

Physical form

Liquid

Purity

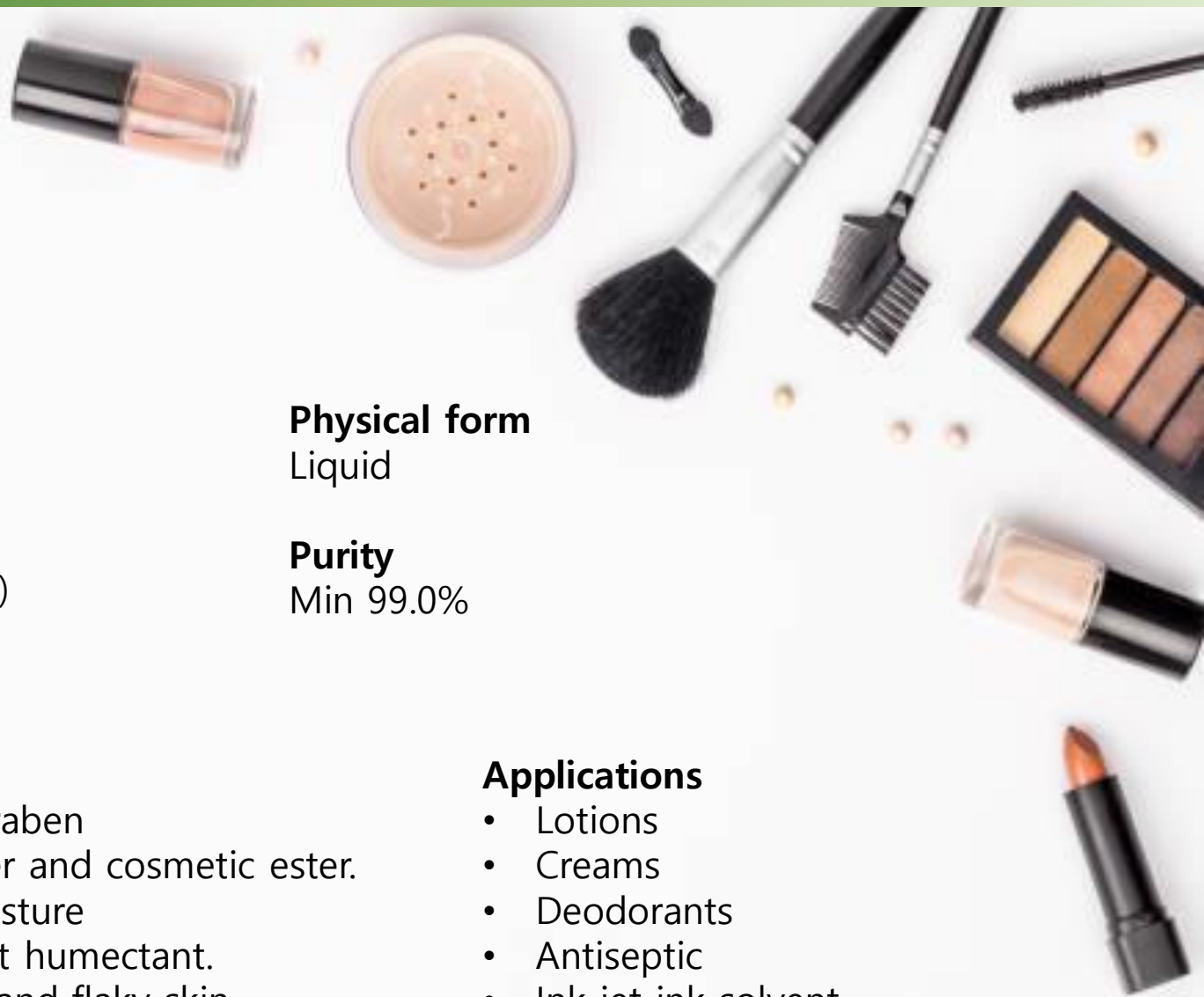
Min 99.0%

Benefits

- Alternatives of Paraben
- Soluble both water and cosmetic ester.
- Helps to hold moisture
- Act as an excellent humectant.
- Beneficial for dry and flaky skin

Applications

- Lotions
- Creams
- Deodorants
- Antiseptic
- Ink jet ink solvent



Minimum Inhibitory Concentration

Product	E.Coli	S.aureus	P.aeruginos a	C.albicans	A.niger
S-6P (1,2-Hexanediol)	0.39	0.2	0.2	1.56	0.78

MIN(Minimum Inhibitory Concentration) test

1) Strain Information

- Escherichia coli
- Staphylococcus aureus
- Pseudomonas aeruginosa
- Candida albicans
- Aspergillus niger

2) Method Name: Clinical and Laboratory Standards Institute(CLSI, 2012) Guidelines



HIDAL S-8

Product name

1,2-Octanediol / Caprylyl glycol

CAS number

1117-86-8

Shelf-life

2 Years(without open)

Benefits

- Helps hydrate skin
- Keeps the product last longer
- Improves product texture
- Effective against bacteria and fungi

Physical form

White semi solid

Purity

Min 98.5%

Applications

- Moisturizers
- Masks
- Hydrating product
- Coating materials
- Cleansers
- Foundations
- Lipsticks
- Sunscreens

Minimum Inhibitory Concentration

Product	E.Coli	S.aureus	P.aeruginos a	C.albicans	A.niger
S-8 (Caprylyl glycol)	0.25	0.1	0.1	0.25	0.5

MIN(Minimum Inhibitory Concentration) test

1) Strain Information

- Escherichia coli
- Staphylococcus aureus
- Pseudomonas aeruginosa
- Candida albicans
- Aspergillus niger

2) Method Name: Clinical and Laboratory Standards Institute(CLSI, 2012) Guidelines



HIDAL S-181

Product name
Ethylhexylglycerin

CAS number
70445-33-9

Shelf-Life
2 Years(without open)

Physical form
Liquid

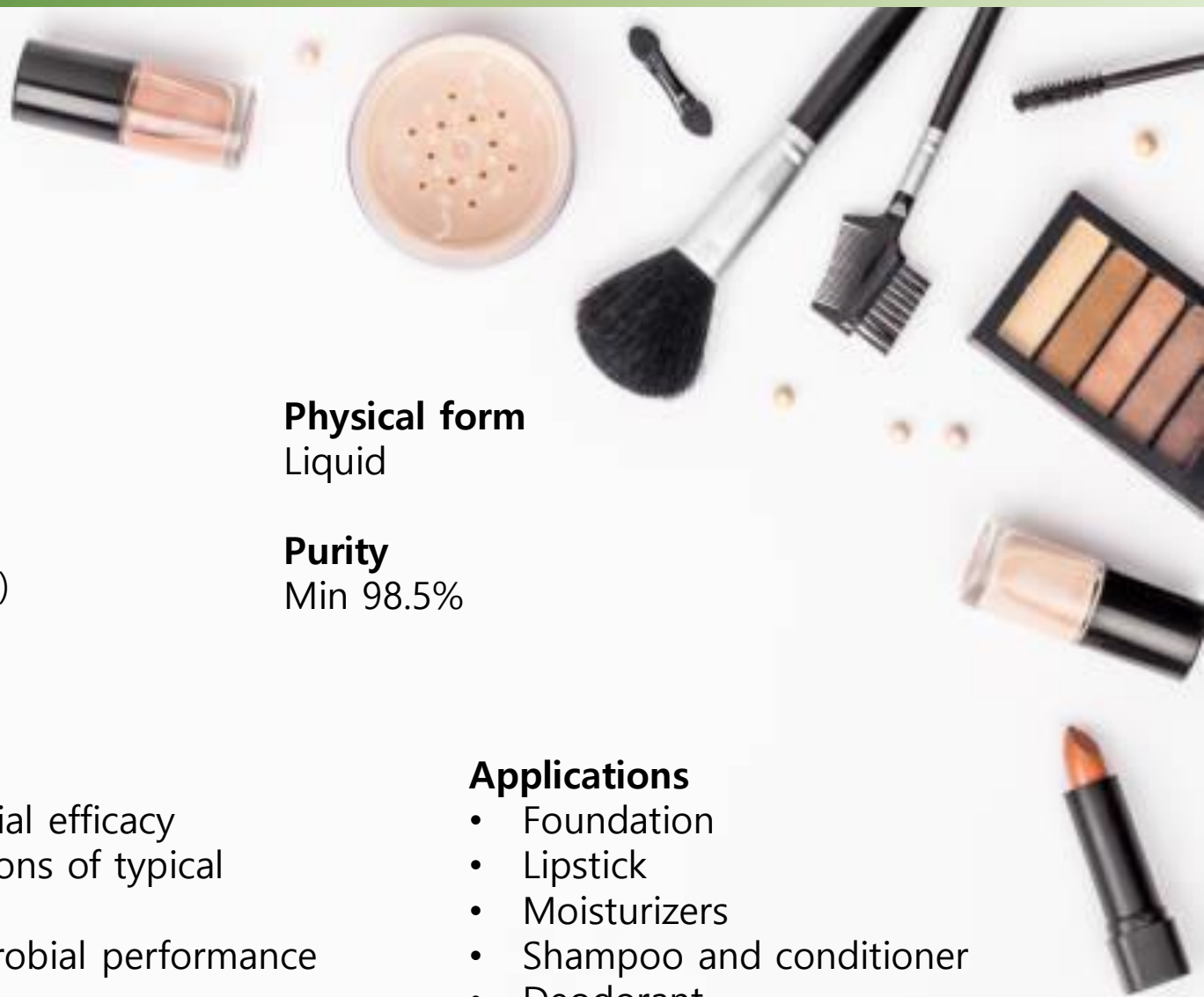
Purity
Min 98.5%

Benefits

- Boosts antimicrobial efficacy
- Lower concentrations of typical preservatives
- Boosting anti-microbial performance

Applications

- Foundation
- Lipstick
- Moisturizers
- Shampoo and conditioner
- Deodorant
- Lotion
- Sunscreen



Minimum Inhibitory Concentration

Product	E.Coli	S.aureus	P.aeruginosa	C.albicans	A.niger
S-181 (Ethylhexyl glycerin)	0.1	0.1	0.1	0.25	0.5

MIN(Minimum Inhibitory Concentration) test

1) Strain Information

- Escherichia coli
- Staphylococcus aureus
- Pseudomonas aeruginosa
- Candida albicans
- Aspergillus niger

2) Method Name: Clinical and Laboratory Standards Institute(CLSI, 2012) Guidelines



NATURAL BASED INGREDIENTS

Trade Name	INCI	Cas no.	Purity (%)	Form	Recommend dosage(%)	Shelf-Life (without open)	COSMOS Certified	Euro Reach
HIDAL S-180	Caprylyl glyceryl ether	10438-94-5	Min. 99	Liquid	0.3~1.0	2 Years	Approving	No
HIDAL S-280	Glyceryl caprylate	26402-26-6	Min. mono 85	Liquid / white soft mass	0.3~1.0	2 Years	Approved	Yes
HIDAL S-211	Glyceryl-undecylenate	123759-97-7 62285-15-8	Min. mono 40	Mild yellowish liquid/ solid	0.1~1.0	2 Years	Approving	No

HIDAL S-180

Product name

Caprylyl Glyceryl Ether (CGE)

CAS number

10438-94-5

Shelf-Life

2 Years(without open)

Benefits

- Boost the antimicrobial efficacy
- Allows using lower concentrations of preservatives
- Natural replacement of Ethylhexylglycerin (EHG)
- Emollient
- Booster with broad pH stability

Physical form

Liquid

Purity

Min 99%

Applications

- Wet-tissue
- Baby powder
- Humectants
- Antimicrobials
- Toners
- Exfoliator



Minimum Inhibitory Concentration

Product	E.Coli	S.aureus	P.aeruginosa	C.albicans	A.niger
S-180 (Caprylyl glyceryl ether)	0.1	0.25	0.1	0.5	0.5

MIN(Minimum Inhibitory Concentration) test

1) Strain Information

- Escherichia coli
- Staphylococcus aureus
- Pseudomonas aeruginosa
- Candida albicans
- Aspergillus niger

2) Method Name: Clinical and Laboratory Standards Institute(CLSI, 2012) Guidelines

HIDAL S-280

Product name

Glyceryl Caprylate (GMCY)

CAS number

26402-26-6

Shelf-Life

2 Years(without open)

Benefits

- Stabilize O/W-emulsions
- Strong antimicrobial activities to Gram+ , Gram-
- 100% from plant origin
- Anti acne activity
- Refatting and hydrating properties

Physical form

Liquid or white soft mass

Purity

Min mono 85%

Applications

- Creams
- Lotions
- Shampoo
- Conditioner
- Body lotions
- Body washes
- Deodorants



Minimum Inhibitory Concentration

Product	E.Coli	S.aureus	P.aeruginosa	C.albicans	A.niger
S-280 (Glyceryl caprylate)	0.1	0.1	0.1	0.5	0.5

MIN(Minimum Inhibitory Concentration) test

1) Strain Information

- Escherichia coli
- Staphylococcus aureus
- Pseudomonas aeruginosa
- Candida albicans
- Aspergillus niger

2) Method Name: Clinical and Laboratory Standards Institute(CLSI, 2012) Guidelines

HIDAL S-211

Product name

Glyceryl Undecylenate (GMUD)

CAS number

123759-97-7

Shelf-Life

2 Years(without open)

Benefits

- Anti-bacterial properties
- Can reduce the amount of preservatives
- Skin-conditioning agent
- Emollient
- surfactant

Physical form

Mild yellowish liquid or solid

Purity

Min mono 40%

Applications

- Moisturizer
- Detergent
- Inks & coatings
- Oil



DEVELOPING PRODUCTS

Trade Name	INCI	Cas no.	Form	IECIC Cosmetic China	Euro Reach
S-352	Neopentyl glycol-diethylhexanoate	28510-23-8	Liquid	Yes	No
S-12	1,2-Dodecanediol	1119-87-5	Powder	No	No

HIDAL S-352

Product name

Neopentyl glycol diethylhexanoate

CAS number

28510-23-8

Benefits

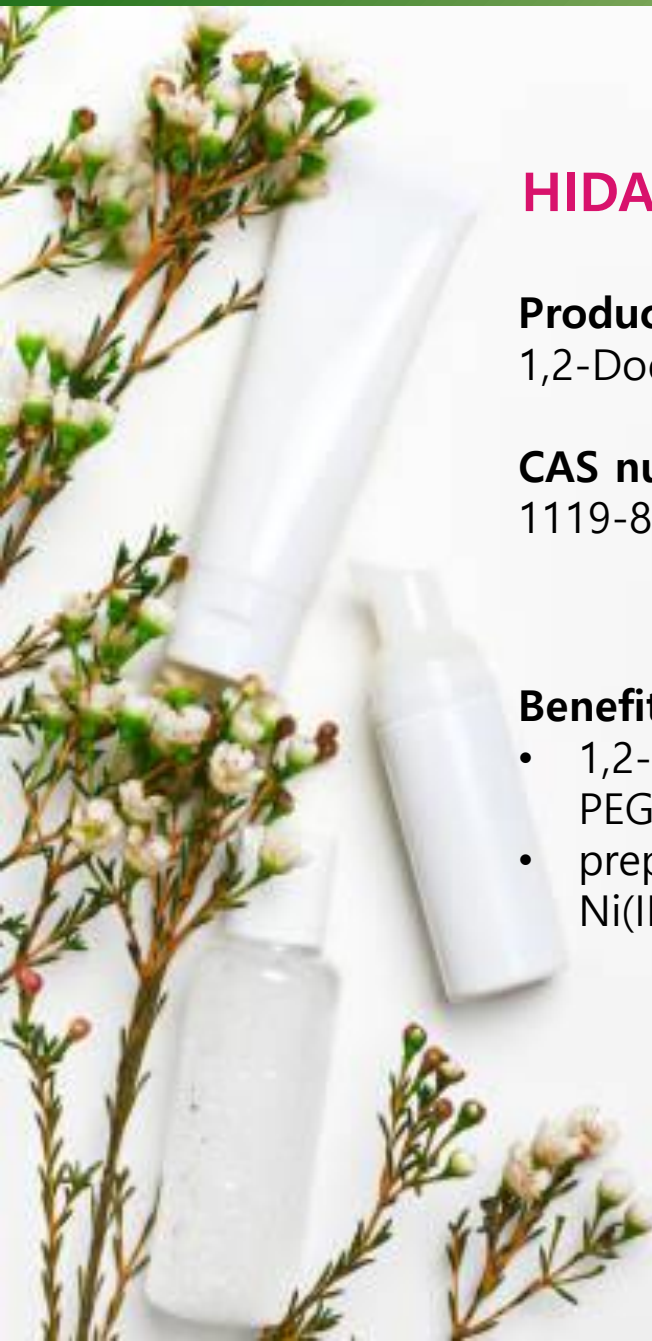
- Alternative to silicones
- Helps to achieve light texture
- Great spreadability
- Features excellent solvency

Physical form

Liquid

Applications

- Emollient
- Skin conditioning agent
- Solvent for makeup remover
- Moisturizers for oily skin
- Creams and lotions



HIDAL S-12

Product name

1,2-Dodecanediol / Lauryl glycol

CAS number

1119-87-5

Benefits

- 1,2-Dodecanediol serves PPG-1-PEG-9 Lauryl Glycol Ether
- preparation of Fe(II), Co(II) and Ni(II) ferrite nanoparticles

Physical form

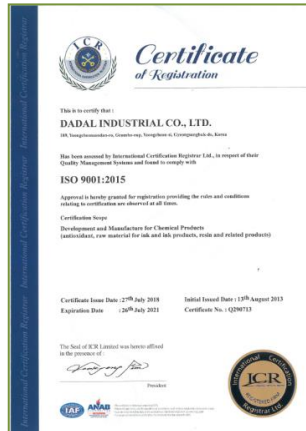
Powder

Applications

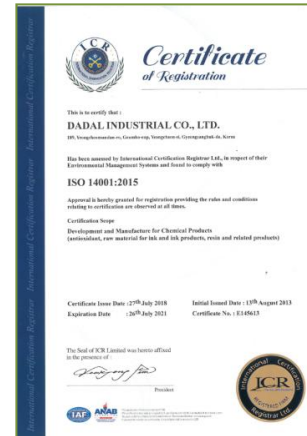
- Hair conditioning agent
- Skin conditioning agent
- Emollient

CERTIFICATION

ISO 9001



ISO 14001



International Certification Registrar Ltd.