



Good Quality Comes
From Qualified Materials



Safer and more effective **SpecKare® PO** - PIROCTONE OLAMINE






The Versatile Choice-The Best Alternative to ZPT

- Anti-Microbial
- Anti-Dandruff
- Anti-Odor
- Anti-Acne

Spec-Chem
2024. 06 Up



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Introduction of Piroctone Olamine

Piroctone Olamine (PO) has been already subject to Scientific Committee on Consumer Safety (SCCS) for evaluation at 1980 and the result of the respective evaluation and the opinion of the SCCS was laid down at 1987.

More than 30-year user experience proved its safety and efficacy (3% used) and had been approved for use in cosmetic products at a maximal concentration of 1 % (rinse-off products) or 0.5 % (other products).

Nowadays people pay more and more attention to the safety of the daily use personal care products, SpecKare® PO complies with this new trend, it provides formulators more flexibility (Clear Type) to make more safety and efficacy personal care products due to Spec Chem's production capacity.



Regulation status in chemicals:

Region/ Country	Listing	Status	Compliance assessment
China	IECSC - Inventory of Existing Chemical Substances in China	Listed	Compliable
European Union	EINECS - European Inventory of Existing Commercial Chemical Substances,	Listed	Registered at 10-100 t/a, compliable
UK	ELINCS - European List of Notified Chemical Substances, and NLP-No-longer Polymers List	Listed	Registered at 10-100 t/a, compliable
Canada	DSL - Canada Domestic Substances List	Listed	Compliable
	NDSL - Canada Non-Domestic Substances List	Not listed	
	R-ICL - Revised In Commerce List	Not listed	
Philippine	PICCS - Philippine Inventory of Chemicals and Chemical Substances	Listed	Compliable
New Zealand	NZIoC - New Zealand Inventory of Chemicals	Listed	Compliable
Australia	AIIC - Australian Inventory of Industrial chemicals	Listed	Compliable
South Korea	KECL- Korean Existing Chemicals List	Listed	Exempted as raw materials for cosmetics
China Taiwan	TCSI - Taiwan Chemical Substance Inventory	Listed	Exempted if < 0.1t/a
Switzerland	EINECS - European Inventory of Existing Commercial Chemical Substances	Listed	Compliable
USA	TSCA Inv - Toxic Substances Control Act Chemical Substance Inventory	Not listed	Exempted if only used in the production of cosmetics, food, food additives, drugs
JAPAN	ENCS- Inventory of Existing and new chemical substances	Not listed	Exempted as chemical substances used in cosmetic, compliable
	ISHL- Japan ISHL Existing Substances List	Listed	Compliable
Thailand	TECI - Thailand Existing Chemical Substance Inventory	Listed	Compliable
	Thailand Hazardous Substances List	Not listed	Compliable
Vietnam	NCI - Vietnam National Chemical Inventory	Not listed	Non-compliable
Malaysia	EHS Reference List	Not listed	Exempted if < 1t/y or non-hazardous
Turkey	None	N/A	Exempted if < 1t/y
Russia	Inventory of chemicals in the Russian Federation	Listed	Compliable
Singapore	List of controlled hazardous substances	Not listed	Compliable
Brazil	No inventory established yet	N/A	Exempted if the mean amount of the past 3 years < 1t/y



Regulations Compliance

Regulation status in cosmetics:

Region/ Country	Listing	Status	Approval status
Canada	List of Ingredients that are Prohibited for Use in Cosmetic Products	Not listed	Approved
	List of Ingredients that are Restricted for Use in Cosmetic Products	Not listed	
USA	Prohibited & Restricted Ingredients in Cosmetics	Not listed	Approved
	CTFA-International Cosmetic Ingredient Dictionary and Handbook	Listed	
European Union	Inventory of Ingredients	Listed	Approved with restrictions *
	Annex II List of substances prohibited in cosmetic products	Not listed	
	Annex III List of substances which cosmetic products must not contain except subject to the restrictions laid down	Listed, III/61	
	Annex V List of preservatives allowed in cosmetic products	Listed, V/35	
UK	Refer to EU ingredient data	Restricted, Listed as III/61&V/35	Approved with restrictions *)
Switzerland			
ISRAEL			
China	Inventory of Existing Cosmetic Ingredients in China (China IECIC)	Listed	Approved with restrictions *
	List of prohibited ingredients or plant (animal) ingredients for cosmetics	Listed	
	List of restricted ingredients in cosmetics	Listed	
	Permitted preservatives for cosmetics	Listed	
Japan	List of prohibited and restricted ingredients in cosmetics	Listed	Approved with restrictions *
New Zealand	Cosmetic Products Group Standard: Schedule 4 – Components Cosmetic Products Must Not Contain	Not listed	Approved with restrictions *
	Schedule 5: Components Cosmetic Products Must Not Contain Except Subject To The Restrictions And Conditions Laid Down	Listed	
	List of preservatives allowed	Listed, 1.0% (Products rinsed off); 0.5% (For other products)	
Australia	Banned or restricted chemicals in consumer products and cosmetics	Not listed	Approved

Regulation status in cosmetics: (CONTD)

Region/ Country	Listing	Status	Approval status
South Korea	Prohibited or restricted ingredients for cosmetics	Prohibited when secondary amine content exceeding 0.5%	Approved with restrictions
	Disinfectants & Preservatives	Listed, 1 % for cosmetics that are washed away after use; 0.5 % to other cosmetics	
China Taiwan	List of Prohibited or Restricted Ingredients	Listed	Approved with restrictions *
	List of Preservatives in Cosmetics Products	Listed	
ASEAN (Indonesia, Malaysia, Philippines, Singapore, Thailand, Brunei, Laos, Myanmar, Cambodia and Vietnam)	List of substances which must not form part of the composition of cosmetic products	Not listed	Approved with restrictions *
	List of substances which cosmetic products must not contain except subject to restrictions and conditions laid down	Listed	
	List of preservatives allowed	Listed	
Russia	List of substances prohibited for use in perfumery and cosmetic products	Not listed	Approved with restrictions *
	List of substances permitted for use subject to the specified restrictions in perfumery and cosmetic products	Listed	
	Preservatives approved for use in perfumery and cosmetic products	Listed	
MERCOSUR (Argentina, Brazil, Paraguay, Uruguay, Venezuela)	List of substances that may not be used in cosmetic products.	Not listed	Approved with restrictions *
	List of substances that personal hygiene products, cosmetics, and perfumes should not contain, except under the conditions and with the established restrictions	Listed	
	List of substances allowed as preservatives for personal hygiene, cosmetic and perfume products.	Listed, 1.0% for rinse off; 0.5% for other products	
HK	No positive / negative list existed in HK	N/A	Approved

Note: * Please refer to the "REGULATION STATUS STATEMENT FOR SpecKare® PO" for more details



Information of SpecKare® PO

Items	Specification
Appearance	White crystalline powder
Odor	Characteristic
Solubility	Water (0.10g+10mL): non-soluble Methanol (1.00g+10mL): soluble
Purity (HPLC)	≥ 99.0%
pH (1% in water, 20°C)	8.5 - 10.0
Melting point	130 - 135°C
Loss on drying	≤ 0.3%
Ash (SO ₄)	≤ 0.2%
Particle size distribution	100 mesh
E 1% (1 cm) at 317 nm expressed on dried substance	204 - 236
Ethanolamine	20.0 - 21.0%
Nitrosamine content	≤ 50 PPb
Diethanolamine	Not Detected
Heavy metals	
Pb	≤ 10 ppm
As	≤ 2 ppm
Cd	≤ 5 ppm
Hg	≤ 1 ppm
Co, Cr, Ni, Sb	Not Detected
Hexane (GC)	Not Detected
Ethyl acetate (GC)	≤ 3000 ppm
Total plate count	≤ 100 cfu/g
Yeast & mould	≤ 100 cfu/g

Product No: 17001200

Trade Name: SpecKare® PO

INCI Name: Piroctone Olamine

CAS No.: 68890-66-4

EINECS No.: 272-574-2

Chemical Name: 1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)pyridin-2(1H)-one, compound with 2-aminoethanol (1:1)

Application: Anti-dandruff, Anti-pruritic, Anti-microbial and etc.

Dosage: 0.05-1.0% (Leave-on: ≤0.5%; Rinse-off: ≤1.0%. Refer to local regulations)

Storage: Store at room temperature. Keep away from light. Keep container tightly closed in a dry and well-ventilated place. The container is free of Nitrite

Package: 25 Kg/cardboard box or cardboard bucket

Shelf life: 3 years



Information of SpecKare® PO

The Features of SpecKare® PO:

- ✓ Formaldehyde-free, Paraben-free, Broad-spectrum Anti-Microbial
- ✓ Effectively eliminate unpleasant odor, both for Human & Pet
- ✓ Excellently anti-dandruff active that soothes inflamed scalps and reduces flaking
- ✓ Increase the mean hair shaft thickness, suitable for volume-up formula
- ✓ Decrease the sebum output at the skin surface, suitable for anti-acne application
- ✓ Additional thickening properties
- ✓ Clinically approved effective, safe to use, non-irritating
- ✓ More formulation flexibility & solubility, also suitable for clear type
- ✓ The best alternative to ZPT





Efficacy Test of SpecKare® PO

4.1 Safety

4.1.1 Skin Irritation Test of SpecKare® PO (0.0125%)--*IN VITRO*

Skin Irritation by 3D Skin Model (Episkin)—Reconstructed Human Epidermis

Evaluation criteria

Tissue viability (%)	Irritation
≤ 50	Skin irritation
> 50	No skin irritation

Result of skin irritation

Group	Positive control	Negative control	SpecKare® PO
Mean OD \pm SD	0.09 \pm 0.01	0.75 \pm 0.01	0.66 \pm 0.01
Viability \pm SD (%)	12.64 \pm 1.33	100	88.30\pm1.14

Note: Negative control: pure water, Positive control: 5% SDS (sodium dodecyl sulfate)



Conclusion: According to OECD TG 439, under the conditions of this test, the tissue viability of the SpecKare® PO was 88.3% (Viability > 50%) and it was considered as **no skin irritation**, when SpecKare® PO was tested at a concentration of 0.0125%.



Efficacy Test of SpecKare® PO

4.1.2 Eye Irritation Test of SpecKare® PO (0.0125%)--IN VITRO

By Bovine Cornea Opacity and Permeability (BCOP) Test

Evaluation criteria

IVS (In vitro score)	Irritation
≤ 3	No eye irritation
$>3, \leq 55$	No predition can be made
> 55	Category 1

Result of eye irritation

Corrected Opacity	Corrected OD	IVS
Mean \pm SD	Mean \pm SD	Mean \pm SD
-0.9113 \pm 0.0710	0.0857 \pm 0.0174	0.3747 \pm 0.3023



Normal



Opacity

Follow the Cruelty-free principle!

Conclusion: According to OECD 437, under the conditions of this study, the IVS of SpecKare® PO is 0.3747 (≤ 3), which was classified as **no eye irritation**, when SpecKare® PO was tested at a concentration of 0.0125%.



Efficacy Test of SpecKare® PO

4.1.3 Safety-No Mutagenicity--IN VITRO

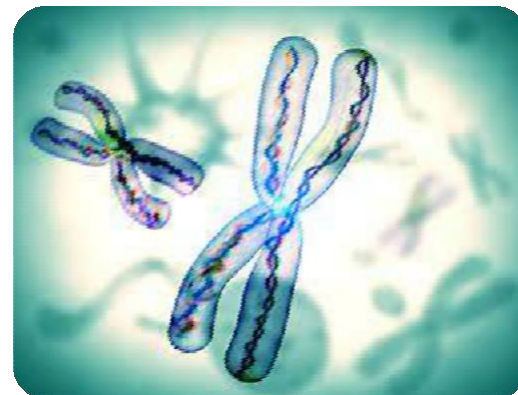
By Ames Test (Salmonella typhimurium/mammals microsomal enzyme test)

Result

For each triplicate plates, the mean of the reverting colonies per plate was calculated. Details see table 1. If bacteria colonies in any of the test article dosage counted two times more than that in the vehicle plate (negative control) and presented a dose-response relationship, the result should be treated as positive.

Table 1 Mean of the reverting colonies from Ames test of Piroctone Olamine ($\bar{x} \pm s$, n=3)

Dose (μ g/plate)	TA97		TA98		TA100		TA102	
	+S ₉	-S ₉	+S ₉	-S ₉	+S ₉	-S ₉	+S ₉	-S ₉
Spont.	145±15	136±14	32±3	30±2	146±16	135±18	258±20	252±24
Dist.	139±17	130±16	31±3	29±4	151±16	141±15	260±24	248±24
Sample	78.1	121±16	119±14	32±3	31±3	150±15	143±15	258±21
	156.2	127±13	109±15	31±3	32±5	152±15	148±16	259±20
	312.5	110±15	107±13	29±2	26±2	113±17	100±16	250±25
	625.0	101±19	72±3	11±5	5±2	78±9	82±14	250±25
Dexon	50.0	1474±116		1325±117			138±43	241±20
2-AF	10.0	1163±178	1395±167		1265±150			129±15
NaN ₃	1.5					1463±189		1142±181
1,8-DHAQ	50.0						715±90	



Conclusion: No positive results were found with all the test strains in the presence and absence of metabolic activation system, when using SpecKare® PO.



Efficacy Test of SpecKare® PO

4.1.4 SpecKare® PO Quality Control--Free Amine



Diethanolamine

根据申请者的要求, 参考SN/T 2107-2008《进出口化妆品中一乙醇胺、二乙醇胺、三乙醇胺的测定方法》测试样品中的二乙醇胺。

测试项目	单位	测试结果	检出限
二乙醇胺 Diethanolamine	mg/kg	未检出 ND	500

备注: 未检出表示低于检出限

样品接收时间: 2020年03月10日

测试周期: 2020年03月10日至2020年03月17日

Tests Conducted N-nitrosohexamethyleneimine
Test Result*

Compound Name	Test Result	CAS No.	Test Instrument	Method Detection Limit
N-nitrosohexamethyleneimine	ND	932-83-2	GC-MS	5 ppm

*Test Item is subcontracted on INTERTEK accreditation laboratory

Date Sample Received: Sep 30, 2019

Testing Period: Sep 30, 2019 To Oct 16, 2019

Tests Conducted
N-nitrosodiethanolamine

According to Client's Requirement, With reference to ISO 15819:2014《Cosmetics – Analytical methods – Nitrosamines: Detection and determination of N-nitrosodiethanolamine(NDELA) in cosmetics by HPLC-MS-MS》, the content of NDELA was tested by LC-MS-MS.

Test Item	Unit	Test Result	Method Detection Limit	Standard Requirement (Safety and Technical Standards for Cosmetic)	Single Determination
N-nitrosodiethanolamine	μg/kg	ND	15	Prohibited	Pass

Remark: ND=Not detected

Date Sample Received: May 21, 2019

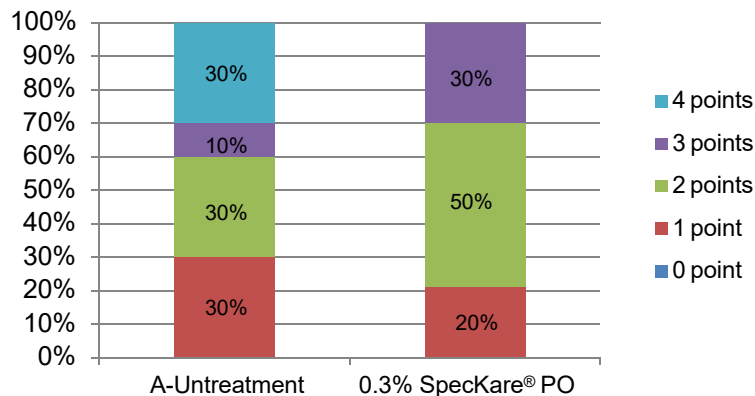
Testing Period: May 21, 2019 To May 23, 2019

SpecKare® PO doesn't contain diethanolamine,
diethanolnitrosamine and hexamethylene nitrosamine.

4.2 SpecKare® PO--Deodorant (Pet Care)

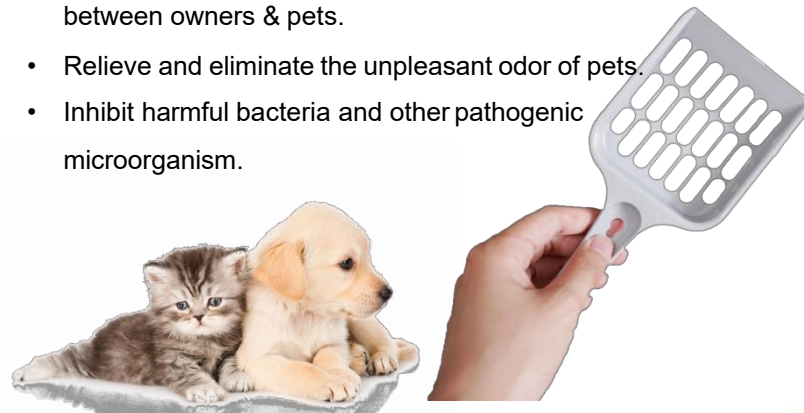
Improve the unpleasant odor of cat litter

Odor-eliminating Test of 0.3% SpecKare® PO Solution



Note: 10 volunteers, 0 point: no obvious odor, 5 point: the strongest odor

- Improve the unpleasant odor around pet surroundings, create a more intimate and comfortable environment between owners & pets.
- Relieve and eliminate the unpleasant odor of pets.
- Inhibit harmful bacteria and other pathogenic microorganism.





Efficacy Test of SpeckKare® PO

4.3 Anti-dandruff--Mechanism

The scalp depends itself against micro-organisms and fungus infections. Piroctone olamine has a specific action against Pityrosporum Ovale, the agent responsible for the production of dandruff.

The anti-dandruff product containing piroctone olamine destroys the fungus infection that is responsible for the dandruff and works against the formation of new dandruff, makes the scalp stays clean, itch free and prevents the formation of new dandruff, you become free of all the inconvenience relating to dandruff.



4.3 SpecKare® PO--Anti-dandruff

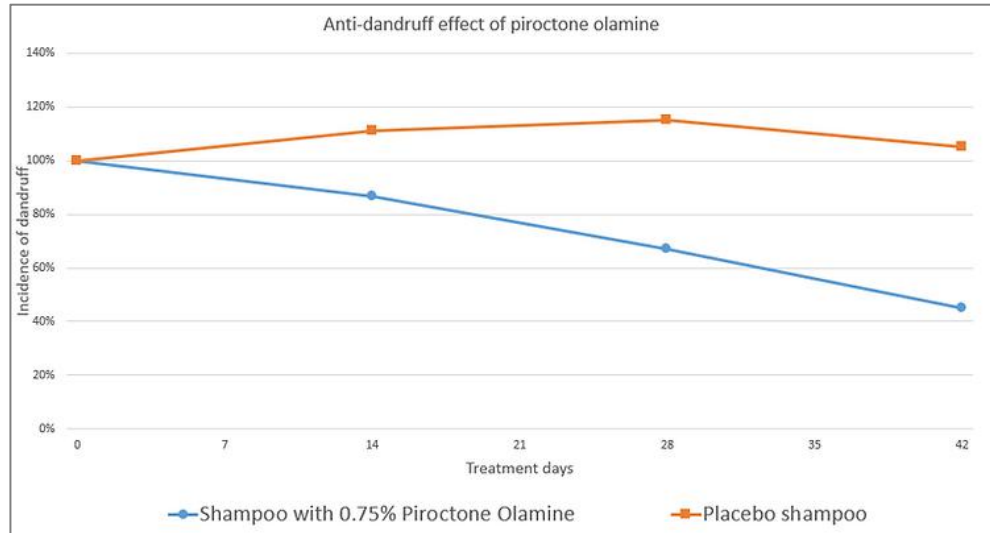


Fig. Shampoo with 0.75% piroctone olamine and placebo shampoo. Measure the anti-dandruff effect (use it once per week), and the results are shown in the chart.

Conclusion:

- Compared with the blank sample, piroctone olamine can significantly reduce the amount of dandruff
- With the extension of time, the anti-dandruff effect is further improved



Efficacy Test of SpecKare® PO

4.3 SpecKare® PO--Anti-dandruff

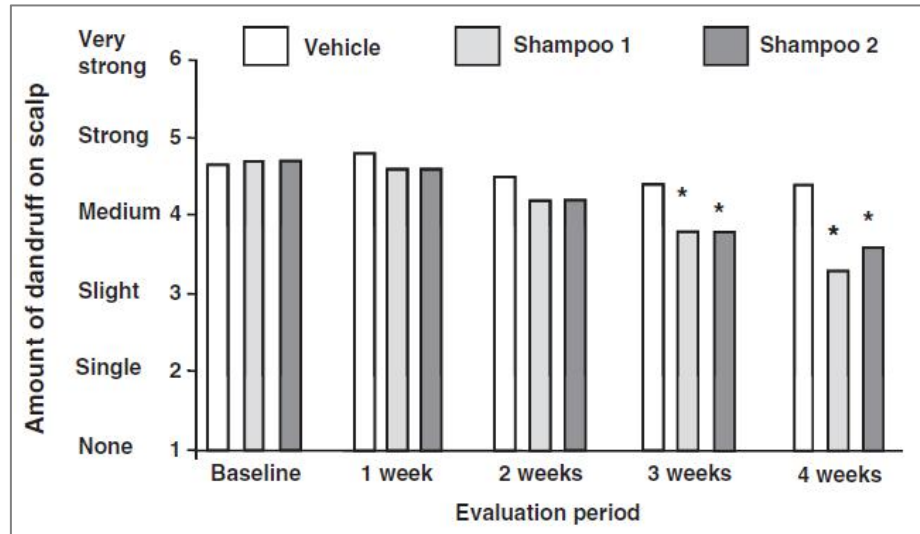


Fig. Split head design study determining the reduction in the amount of dandruff on the scalp after treatment with shampoos 1, 2 and vehicle. The amount of dandruff on the scalp is depicted for every point in time (each shampoo was tested in a split head design, n = 53–56). Significant differences are marked with an asterisk (* for $p \leq 0.01$).

- **Assessment scale:** 1 = no dandruff; 2 = single dandruff visible; 3 = slight dandruff affection; 4 = medium dandruff affection; 5 = strong dandruff affection; 6 = very strong dandruff affection
- **Test samples:** shampoo 1 (0.5% piroctone olamine and 0.45% climbazole), shampoo 2 (1% zinc pyrithione), vehicle: used as a control consisting of the base formula used in shampoo 1
- **Test period:** shampoos were applied three times a week (Monday, Wednesday and Friday) over a period of 4 weeks
- **Subjects:** Ninety-eight volunteers (46 men and 52 women, 18–65 years) with medium dandruff affection (minimum 4) on both sides of the head as assessed by a dermatologist were enrolled into the study

Conclusion:

- The combination of piroctone olamine and climbazole effectively reduces the amount of dandruff
- Best alternative to ZPT (zinc pyrithione)



Efficacy Test of SpecKare® PO

4.4 Anti-microbial

Anti Microbial Activity of PO---MIC (Minimum inhibitory concentration)

Strains	MIC of SpecKare® PO
<i>Escherichia coli</i> (E. coli) ATCC8739	0.0125%
<i>Pseudomonas aeruginosa</i> (P. aeruginosa) ATCC9027	0.025%
<i>Staphylococcus aureus</i> (S. aureus) ATCC6538	0.00156%
<i>Candida albicans</i> (C. albicans) ATCC10231	0.00156%
<i>Aspergillus niger</i> (A. niger) ATCC16404	0.00156%
<i>Malassezia furfur</i> ATCC44344	0.0063%

Conclusion:

SpecKare® PO owns Broad spectrum antibacterial and antifungal activity





Efficacy Test of SpecKare® PO

4.5 Thickening

Synergistically increasing formula's viscosity—additional value of PO

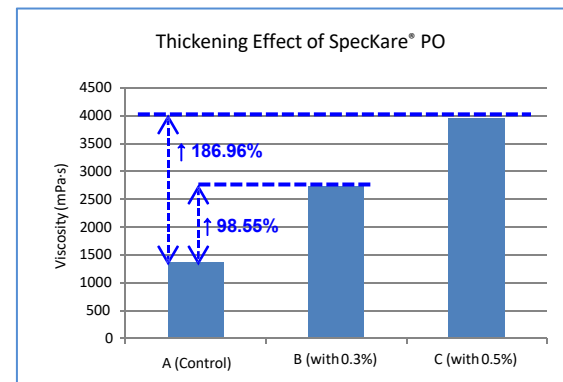
PO has an obvious action of increasing viscosity of cleansing formulation (as follow table), when the PO dosage in formula reaches 0.3-0.5%, the viscosity of the testing shampoo can be increased significantly.

(with Speckare® PO) :

- ✓ production process (Formula)
- ✓ Raise the product stability
- ✓ Reduce product cost & irritation (No Need for extra NaCl)

	Ingredient	Supplier/INCI Name	A	B	C
			w/w%		
A	Water	Water	To 100	To 100	To 100
	Ammonium Laureth Sulfate	Ammonium Laureth Sulfate	15	15	15
	Sodium lauryl Sulfate	Sodium lauryl Sulfate	5	5	5
	SpecSufc® CAB	Spec Chem/ Cocamidopropyl Betaine	5	5	5
B	Sodium Chloride	Sodium Chloride	1	1	1
C	SpecKare® PO	Spec Chem/ Piroctone Olamine	-	0.3	0.5

pH: 7.0 - 7.5





Application Guide of SpecKare® PO

Anti-dandruff and Refreshing Shampoo--SC-AC2301003-0.3% SpecKare® PO

	w/w%	Trade Name	INCI Name	Supplier	Function
Part A					
1	To 100	Water	Water		Solvent
2	0.05	EDTA 2Na	Disodium EDTA		Chelating agent
3	12.0	SLES	Sodium Laureth Sulfate		Surfactant
4	10.0	SpecSufc® CAB	Cocamidopropyl Betaine	SC	Surfactant
5	5.0	SpecSufc® APG0814	Coco-Glucoside, Water	SC	Surfactant
6	1.6	CMEA	Cocamide MEA		Thickener
Part B					
7	2.0	SpecPure® BTS Saponins	Camellia Sinensis Seed Extract	SC	Surfactant
8	2.0	SpecKare® PQ-7	Polyquaternium-7	SC	Softener
9	0.1	SpecPure® HK	Hydrolyzed Keratin	SC	Humectant
10	0.3	SpecKare® PO	Piroctone Olamine	SC	Anti-dandruff Agent
Part C					
11	0.8	ParbFree® PE91	Phenoxyethanol, Ethylhexylglycerin	SC	Preservative
12	0.15	Fragrance	Fragrance		Flavoring Agent
13	0.1	Citric Acid	Citric Acid		pH Adjuster
14	0.7	NaCl	Sodium Chloride		Thickener

➤ Procedure:

1. Heat Part A to 85 °C, stir until completely uniform.
2. Cool down to 45°C, add Part B and Part C, stir until completely uniform
3. Cool down to room temperature

➤ Properties:

Appearance: Brown viscosity liquid

pH: 6.0±0.5

Viscosity (25°C, 2#, 30rpm, mPa·s): 4500±500 mpa.s



PO Iotion--SC-AC2406004-0.3% SpecKare® PO

w/w%	Trade Name	INCI Name	Supplier	Function
Part A				
To 100	Water	Water		Solvent
2.0	Glycerin	Glycerin		Humectant
0.18	SpecThem® XTG200	Xanthan Gum	SC	Thickening agent
0.1	SpecKare® ALLA	Allantoin	SC	Humectant
0.03	EDTA 2Na	Disodium EDTA		Chelating agent
Part B				
2.5	Olivem 1000	Cetearyl Oliviate, Sorbitan Oliviate		Emulsifier
1.0	Oliwax LC	Cetyl Palmitate, Sorbitan Palmitate, Sorbitan olivate		Emulsifier
1.0	SpecThem® GMS	Glyceryl Stearate	SC	Emulsifier
2.0	Dicaprylyl Carbonate	Dicaprylyl Carbonate		Emollient
1.5	Dimethicone	Dimethicone		Skin Conditioning Agent
2.0	SpecKare® SQA	Squalane	SC	Emollient
0.3	SpecKare® VEA	Tocopheryl Acetate	SC	Anti-oxidant
Part C				
0.5	SEPINOV™ EMT-10	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer		Thickening agent
3.0	Butylene Glycol	Butylene Glycol		Humectant
Part D				
0.5	PrzvFree® 4HAP	Hydroxyacetophenone	SC	Preservative
0.5	PrzvFree® HLG	1,2-Hexanediol	SC	Humectant
Part E				
0.3	SpecKare® PO	Piroctone Olamine	SC	Skin Conditioning Agent
2.0	Propylene Glycol	Propylene Glycol		Humectant
0.08	Fragrance	Fragrance		Flavoring agent

➤ Procedure:

1. Mix Part A, heat to 85°C, keep stirring until completely uniform
2. Mix Part B, heat to 85°C, keep stirring until completely uniform
3. Pre-dispersed Part C, add Part C to Part A
4. Add Part B to Part A & C, homogenize for 3min
5. Cool down to 65°C, add Part D (4HAP is pre-dissolved with a small amount of hot water)
6. Cool down to 45°C, add Part E (pre-dissolved PO with Propylene Glycol), and homogenize for 1min
7. Stir until the system is uniform .

➤ Properties:

Appearance: White Lotion

pH (10%): 6.0±0.5





Application Guide of SpeckKare® PO

Compatibility:

PO is compatible with common cosmetic ingredients, also compatible with cationic surfactants and cationic active components despite the anionic character of the active ingredient molecule. The aldehyde and keto groups in some specific formula may cause color problems, chelating and antioxidant agents are helpful to prevent discoloration.

Stability:

- a) pH: Stable (in solution) at pH: 3 - 9
- b) Heat: Excellent temperature tolerance, stable even heat above 80°C for a while
Formulation (Shampoo) with PO (@ pH = 5.5 - 7.0) passed 1-year stability test (@ above 40°C)
- c) Light: Decompose under direct ultraviolet radiation. Keep away from light
- d) Metals: PO Solution degrades in the presence of cupric and ferric ions. Avoid adding substances containing metal ions into the system

Solubility:

Soluble in polyols: such as Propylene glycol, Isopentylidol

Soluble in surfactants: such as APG0810, CAB35 (Cocamidopropyl Betaine), 20% AES (Sodium Laureth Sulfate)

Usage:

Skin care products: it is recommended to pre-dissolve PO with polyols in advance, and add in the post-production stage

Cleaning products: add to the formulation system directly in the post-production stage

Dosage:

0.05 - 1.0% (Leave-on: ≤0.5%; Rinse-off: ≤1.0%. Refer to local regulations)

Existing Commercial Products





Application Guide of SpecKare® PO



Vichy Dercos

Anti-Dandruff Shampoo For Sensitive Scalp

Ingredients overview

Aqua / Water , Sodium Methyl Cocoyl Taurate , Laureth-5 Carboxylic Acid , Cocamidopropyl Betaine , Sodium Chloride , Bisabolol , Farnesol , Hexylene Glycol , Lactic Acid , Peg-150 Distearate , Peg-55 Propylene Glycol Oleate , **Piroctone Olamine** , Polyquaternium-10 , Propylene Glycol , Salicylic Acid , Sodium Benzoate , Sodium Hydroxide , Sodium Lauroyl Glutamate , Parfum / Fragrance



Application Guide of SpecKare® PO



La Roche-Posay Effaclar Duo[+] Global

Acne Treatment

Anti-recurrence global acne treatment: Reduces acne and helps to prevent relapse. Reduces the number of acne pimples and allows skin to heal. Prevents breakout recurrence. Purifies clogged pores. 24H hydrating lotion

Ingredients overview

Active Ingredients: Salicylic Acid

Inactive Ingredients: Aqua , Glycerin , Dimethicone, Isocetyl Stearate , Niacinamide , Isopropyl Lauroyl Sarcosinate , Silica , Ammonium Polyacryloyldimethyl Taurate , Methyl Methacrylate Crosspolymer , Sodium Hydroxide , Poloxamer 338 , Polysorbate 80 , Mannose , Xanthan Gum , Zinc Pca , Isohexadecane , 2-Oleamido-1,3-Octadecanediol, Capryloyl Salicylic Acid , Caprylyl Glycol , **Piroctone Olamine** , Myristyl Myristate , Acrylamide/Sodium Acryloyldimethyltaurate Copolymer , Sorbitan Oleate , Disodium EDTA , Potassium Cetyl Phosphate , Vitreoscilla Ferment



Application Guide of SpecKare® PO



Uriage

Xémose –Lipid Replenishing Anti-Irritation Cream

Nourishing, protective cream instantly soothes itching sensations that cause scratching due to dryness and brings longlasting comfort.

Ingredients overview

Aqua (Water, Eau) , Paraffinum Liquidum (Mineral Oil), Butyrospermum Parkii (Shea) Butter , Dicaprylyl Ether , Glycerin , Polysorbate 60 , Butylene Glycol , Cetyl Alcohol , Squalane , Sodium Polyacrylate , Glyceryl Stearate , PEG-100 Stearate , Brassica Campestris (Rapeseed) Sterols , Dimethicone , Chlorphenesin , Tocopheryl Acetate , Cetrimonium Bromide , **O-Cymen-5-ol** , **Piroctone Olamine** , Xanthan Gum , Raspberry Seed Oil/Palm Oil Aminopropanediol Esters, Asiaticoside , Phytosphingosine , Borage Seed Oil Aminopropanediol Amides



Application Guide of SpecKare® PO

Nivea Sensitive Cooling Post Shave Balm

*Immediately cools men's skin after shaving and is specially formulated for sensitive skin. It regenerates and protects against skin inflammation. Immediately cools, tones and stimulates. Protects against skin inflammation. Helps regenerate the skin. Dermatologically approved. *no Ethylalcohol*



Ingredients overview

Aqua , Glycerin , Isopropyl Palmitate , Chamomilla Recutita Flower Extract , Bisabolol , Tocopheryl Acetate , Tocopherol , Fucus Vesiculosus Extract ,Menthoxyprompanediol, Glycine Soja Oil , Tapioca Starch, Triceteareth-4 Phosphate , Sodium Carbomer ,Caprylic/Capric Triglyceride , Phenoxyethanol ,Piroctone Olamine , Bht , Linalool , Limonene ,Geraniol , Parfum



As I Am

Cleansing Pudding

A rich sulfate-free creamy moisturizing beauty bath for your hair! Contains a special blend of natural ingredients, including saw palmetto and phytosterols, that helps to eliminate DHT build-up from the scalp, and promote healthy hair growth from the follicular level.

Ingredients overview

Aqua/Water/Eau , Cetearyl Alcohol , Sodium Cocoamphopropionate , Hydroxypropyl Starch Phosphate , Behentrimonium Chloride , Citrus Reticulata (Tangerine) Fruit Extract, Aloe Barbadensis Leaf Extract , Sodium Benzoate , Potassium Sorbate , Erythorbic Acid , Citric Acid , Glycerin , Phytosterols, Serenoa Serrulata Fruit Extract, Ricinus Communis (Castor) Seed Oil , Curcuma Longa (Turmeric) Root Powder, **Piroctone Olamine** , Cetrimonium Chloride , Phenoxyethanol , Caprylyl Glycol , Fragrance/Parfum (Limonene) , Potassium Sorbate



Foltène

Anti-Dandruff Shampoo

Ingredients overview

Aqua (Water) , Sodium Coceth Sulfate , Disodium Cocoamphodiacetate , Cocamidopropyl Betaine , Sodium Cocoyl Sarcosinate , Sodium Chloride ,

Piroctone Olamine , Phenoxyethanol , Salicylic Acid, Propylene Glycol , PEG-12 Dimethicone , Thymus Vulgaris (Thyme) Flower/Leaf Extract, Parfum (Fragrance) , Disodium EDTA , Citric Acid , Imidazolidinyl Urea , Benzyl Alcohol , Hexyl Cinnamal , Limonene.



Thank you for your attention!



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