

**CHEMSPEC
CHEMICALS**

Chemistry with care...



CHEM PO (PIROCTONE OLAMINE)

Dandruff is a common scalp disorder affecting almost half of the population at the post-pubertal age and of any gender and ethnicity. It often causes itching.

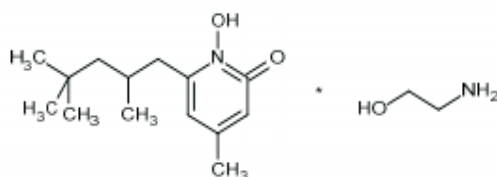
The major cause of dandruff is fungus *Malassezia furfur*

Chem PO has anti-dandruff activities which destroy the fungus infection responsible for the dandruff and work against the formation of new dandruff, leaving the scalp clean, healthy and itch free.

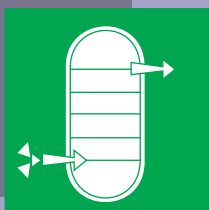
Chem PO (Piroctone Olamine) is a widely established and highly effective anti-dandruff agent even at low inclusion levels. With wide ranging solubility, it can be used in a variety of hair care formulations. Uniquely for an anti-dandruff active, Chem PO has also been found to increase the viscosity of surfactant systems, reducing the need for alternative thickeners in a formulation and aiding stability.

Product name:	Chem PO
Chemical name:	1Hydroxy-4-methyl-6-[2,4,4-trimethylprntyl]-2-[1H] pyridinone, 2- aminoethanol salt
INCI :	Piroctone Olamine
CAS:	68890-66-4
EINECS:	272-574-2
USAN:	Piroctone Olamine

Chemical structure:



Molecular Formula:	C ₁₄ H ₂₃ NO ₂ C ₂ H ₇ NO
Molecular weight:	298.4
Applications:	Effective anti-dandruff, anti fungal active, reduces scalp scaling. Use at level of 0.1% - 1.0% for rinse –off and 0.05% - 0.2% for leave on products.



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CHEM PO (PIROCTONE OLAMINE)

TECHNICAL DATA

1. Appearance	: White to pale yellow powder
2. Purity by HPLC	: Min. 99.0%
3. Assay (% w/w by titration on dry basis)	: Between 98.0 % and NMT 101.5 %
4. PH range (1 %, aq. Solution 200C)	: 8.5 – 10.0
5. Heavy metals	: NMT 10 ppm
6. Melting Range	: Between 130°C to 135°C
7. E 1% (317 nm, 30 ppm solution in alkaline methanol)	: Between 214 and 236
8. Loss on drying	: Not more than 0.3 %
9. Packaging	: 20 kg HDPE drums/cartons
10. Storage recommendation:	: Store in cool, dry environment, away from direct sunlight. Shelf life two years when stored in original sealed container.

Chemspec Trade Name	INCI	USAN	CAS #
<u>Chemspec UV-filters</u>			
Chem1789	Butyl Methoxydibenzoylmethane	Avobenzene	70356-09-1
OMCX	Ethylhexyl methoxy cinnamate	Octinoxate	5466-77-3
ChemOCR	Octocrylene	Octocrylene	6197-30-4
Chemsol HS	Phenylbenzimidazole sulphonic acid	Ensulizole	27503-81-7
Chem OS	Ethylhexyl salicylate	Octyl salicylate	118-60-5
Chem HMS	Homosalate	Homosalate	118-56-9
Chem L150	Ethylhexyl triazone	Octyl triazone	88122-99-0
Chem DHBT	Diethylhexyl Butamido Triazone	Iscotrizinol	154702-15-5
<u>Antibacterial Active</u>			
Chemilide(TCC)	Trichlorocarbon	Trichlorocarbonilide	101-20-2
<u>Hair care</u>			
Chem PO	Piroctone Olamine	Piroctone Olamine	68890-66-4