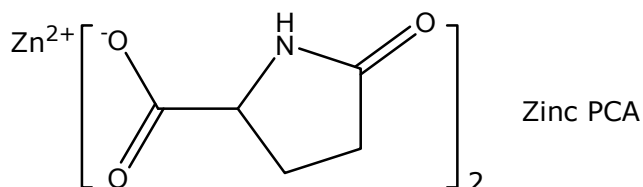


A Versatile Organic Zinc Salt for Personal Care

Trade Name	EcoCare™ Zinclean
Common Name	Zinc PCA (INCI)
Chemical Name	L-Pyrrolidone-5-carboxylic acid zinc salt, Zinc L-pyrroglutamate
Synonyms	PIDO-ZINC® (Solabia), AJIDEW® ZN-100 (Ajinomoto)
CAS No.	15454-75-8
EINECS No.	239-473-5
Empirical Formula	C ₅ H ₇ NO ₃ · 1/2Zn (321.62)

Molecular Structure



Characteristics	White to pale yellow crystalline powder
Solubility	Easily soluble in water.
Specification	Cosmetic Grade (98%)
Category	Skin Care, Hair Care
Functions	Antiseborrhoeic agent, Antimicrobial agent, Anti-acne agent
Features	EcoCare™ Zinclean is the zinc salt of L-Pyrrolidone 5-Carboxylic Acid (PCA) which is a natural moisturizing factor (NMF) of amino acid type. EcoCare™ Zinclean is able to suppress sebum secretion by inhibiting 5-α reductase in hyperseborrhea, to suppress body odor by forming zinc salts with short-chain fatty acids, to suppress wrinkles by inhibiting AP-1 to and inhibit bacterial growth including acne related <i>Propionibacterium acnes</i> . EcoCare™ Zinclean has synergistic effect with EcoGard™ PO (Piroctone Olamine) in treating dandruff or seborrheic dermatitis.
Applications	Antidandruff shampoo, oil control cosmetics, anti-acne cosmetics
Typical Dosage	0.1-1.0% (depending on application and formulation)
Packing	1kg aluminum foil bag, 10kg cardboard carton, 25kg paper drum
Transport	Non-hazardous cargo (IMDG/IATA)
Remarks	<i>Safety and efficacy report available upon request. Available only for R&D uses if covered by patents.</i>
Manufacturer	ECO-CHEM LABORATORIES LTD.
Distributor	ECO-CHEM SPECIALTIES LIMITED P.O. Box 65, Changzhou, Jiangsu, China T: 86-519-88120006 F: 86-519-88122985 E: sales@ecochem.cn W: www.ecochem.cn