



# *LEO Oversea's PRODUCTS*

**(A) INGREDIENTS**

**(B) POLYETHYLENE GLYCOL SERIES AND POLYSORBATES**

**(C) PRODUCTS FOR ENDBUYERS UNDER CONTRACT**





## *(A) INGREDIENTS*

No.	PRODUCT NAME	CAS NO
1	CETRIMIDE POWDER	1119-97-7 / 8044-71-1
2	CETRIMIDE SOLUTION 40% STRONG CETRIMIDE SOLUTION	1119-97-7 / 8044-71-1
3	CETYLPYRIDINIUM CHLORIDE (CPC)	6004-24-6
4	CHLORHEXIDINE GLUCONATE 20%	18472-51
5	CHLORHEXIDINE HYDROCHLORIDE	18472-51
6	NICOTINAMIDE (NIACINAMIDE)	98-92-0
7	PARA PHENYLENE DIAMINE (PPD)	106-50-3
8	TRICLOSAN	3380-34-5



## 1] CETRIMIDE POWDER [CAS NO : 1119-97-7 / 8044-71-1]

### SPECIFICATIONS :

Description	A white or almost white, voluminous, free-flowing powder, freely soluble in water & in alcohol.
Identification {A,B,C,D,E }	To comply the test
Solubility	Freely soluble in water, in ethanol {95%}, & in chloroform. Practically insoluble in ether
Acidity or Alkalinity	NMT 0.1ml solution required.
Clarity & colour of solution	2.0% W/V solution is clear & colourless
Amine Salts	To comply the test
Sulphated Ash	NMT 0.5%
Loss on drying	NMT 2%
Assay {on D.B}	Between 96% to 101%



## 2] CETRIMIDE SOLUTION 40% STRONG CETRIMIDE SOLUTION

[CAS NO : 1119-97-7 / 8044-71-1]

### SPECIFICATIONS :

Characteristics	A clear aqueous liquid, containing ethanol {96%} or ipa or both
Identification {A,B & C }	To comply the test
Acidity or Alkalinity	NMT 1.0 ml OF 0.1 M either HCL or NAOH is required.
Neutral substances	To comply the test.
Non-quaternised amines	To comply the test.
Miscibility with Ethanol	Solution should remain clear.
Ethanol content	NMT. 10% V/V
IPA Content	NMT. 10% V/V
Assay	MIN 40.0%



### 3] CETYLPYRIDINIUM CHLORIDE (CPC) [CAS NO : 6604-24-6]

Product	Cetylpyridinium chloride
Molecular formula	$C_{21}H_{38}ClN$
Molecular weight	339.99 g mol <sup>-1</sup>
Description	White or almost white powder, slightly soapy to the touch.
Identification	
A) By UV	The absorbance max at 259 nm & 2 shoulders at about 254 nm and 265 nm. The specific absorbance at the maximum should be 126 to 134.
B) By IR	The IR spectrum of test sample should be concordant with IR spectrum of similar preparation of Cetylpyridinium chloride of working standard.
C) By chemical test	The Chloroform layer becomes blue by addition of solution S.
D) By chemical test	Solution S should give positive reaction of chlorides.
Heavy metals	Max. 0.0010%
Water	Between 4.50 % and 5.50 %.
Sulphated ash	Not more than 0.2 %.
Assay	Not less than 96.00 % and not more than 101.00 %.



#### 4] NICOTINAMIDE (NIACINAMIDE) [CAS NO : 98-92-0]

**Product Name** : NICOTINAMIDE (NIACINAMIDE )  
**Synonyms** : NICOTINAMIDE, NICOTINIC ACID AMIDE  
**Chemical Name** : 3 - Pyridine - Carboxylamide  
**CAS Number** : 98-92-0  
**HS Code Number** : 2936 29 20  
**Specification Compliance** : IP/ BP / USP  
**Form** : POWDER





## **5] PARA PHENYLENE DIAMINE (PPD) [CAS NO : 106-50-3]**

<b>Chemical Name</b>	: Para Phenylene Diamine
<b>CAS No.</b>	: 106-50-3
<b>Molecular Weight</b>	: 108 GM/Mole
<b>Molecular Formula</b>	: C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>
<b>Melting Point</b>	: 140-144°C
<b>Purity (G.C.)</b>	: 99.5% min / 99.9% min
<b>Flash Point</b>	: 155°C
<b>From Supplied</b>	: Small Lumps, Powder , Granules
<b>Physical Appearance</b>	: White/ Grayish white in color
<b>Packing</b>	: 25/50 Kgs. Bags/Drums with black liner bag inside
<b>Uses</b>	: Cosmetics, Dyes, Dye intermediate, Rubber products, Polymers, Pigments



*(B) POLYETHYLENE GLYCOL SERIES AND  
POLYSORBATES*

<b>NAME OF PRODUCT</b>	<b>STANDARD PACKING</b>
LEO-PEG 300 BP POLYETHYLENE GLYCOL 300 B.P. GRADE	230 kgs HMHDPE BARRELS
LEO-PEG 400 BP POLYETHYLENE GLYCOL 400 B.P. GRADE	230 kgs HMHDPE BARRELS
LEO-PEG 600 BP POLYETHYLENE GLYCOL 600 B.P. GRADE	230 kgs HMHDPE BARRELS
LEO-PEG 1500 BP POLYETHYLENE GLYCOL 1500	25 kgs Bags
LEO-PEG 4000 BP POLYETHYLENE GLYCOL 4000	25 kgs Bags





NAME OF PRODUCT	STANDARD PACKING
LEO-POL 20 POLYSORBATE 20 BP GRADE	50 kg Carboys
LEO-POL 40 POLYSORBATE 40 BP GRADE	50 kg Carboys
LEO-POL 60 POLYSORBATE 60 BP GRADE	50 kg Carboys
LEO-POL 80 POLYSORBATE 80 BP GRADE	50 kg Carboys





## *(C) PRODUCTS FOR ENDBUYERS UNDER CONTRACT*

No.	PRODUCT NAME	CAS NO
1	<b>"LEO-AVO"</b> <b>AVOBENZONE</b> AVIS [1-(4-methoxyphenyl)-3-(4-tert-butylphenyl)-propane]-1,3-dione]	70356-09-1
2	<b>"LEO-OMC"</b> <b>OCTYL METHOXYCINNAMATE</b> CINNAMON (2-propenoic acid,3-(4-methoxy phenyl)-2-ethylhexyl ester)	5466-77-3
3	<b>"LEO-ZP"</b> <b>ZINC PYRITHIONE</b> DANTUFF-Z-48% (ZINC-2-PYRIDINETHIONE-1-OXIDE)	13463-41-7
4	<b>"LEO-OCTO"</b> <b>OCTOCRYLENE</b> OCTYNE-B [2-ethylhexyl 2-cyano-3, 3-diphenyl-prop-2-enoate]	6197-30-4