


**CLAIMS**

1. The process of synthesis of pure Sodium 2-ethylhexanoate salt comprising of reaction between ethylhexanoic acid and aqueous solution of sodium hydroxide.
  - Wherein the dehydration of aqueous solution of Sodium 2-ethylhexanoate salt is done by the exothermic heat generated during the reaction itself under controlled conditions of PH 7.2-7.6 and at atmospheric and reduced pressure.
  - Wherein subsequent drying of this concentrated salt containing about 70% of weight of sodium 2-ethylhexanoate salt is done in an open pan at a product temperature below 150°C to obtain lumps of Sodium 2-ethylhexanoate salt which are powdered by multi milling operation.
2. The process of synthesis of pure Sodium 2-ethylhexanoate salt as claimed in claim 1 wherein concentrated Sodium 2-ethylhexanoate salt is pan dried to obtain moisture content as low as 1.5 to 2.0%.
3. The process for the synthesis of pure Sodium 2-ethylhexanoate salt characterized in the steps comprising:
  - a) Reacting ethylhexanoic acid with an aqueous solution of sodium hydroxide maintaining the pH at 7.2-7.6 to obtain the Sodium 2-ethylhexanoate salt;
  - b) Dehydrating the water present in reaction mixture by exothermic heat generated during the reaction in step(a) to get concentrated salt containing about 70% of weight of sodium 2-ethylhexanoate salt;
  - c) Subsequent drying of the obtained sodium 2-ethylhexanoate concentrated salt in an open pan at a temperature below 150°C to obtain lumps of

Sodium 2-ethylhexanoate salt with moisture content as low as 1.5 to 2.0%:  
and

- d) Multi-milling the lumps of sodium 2-ethylhexanoate salt to obtain pure powdered form of Sodium 2-ethylhexanoate salt.

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Sr. No.	CBR Number	Reference Number /Application Type	Application Number	Title/Remarks	Amount Paid	Amount Computed
1		E-101/84209/2015-DEL	2362/DEL/2009	OTHERS(NON CASH)(Claims)	0	0
<b>Total Amount</b>					<b>0</b>	<b>0</b>

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