TDS Instathix®

DEFINITION
Instathix® is a synergistic blend of powders which act as an easy-to-use emulsifier.

ORIGIN OF THE RAW MATERIALS
The product is manufactured from raw materials of strictly vegetable origin.

PRODUCT DETAILS
Commercial Name: Instathix®
Manufacturer: Alchemy Ingredients., 4 Queens Square, Business Park, Ascot, SL5 9FE, UK
INCI: Xanthan Gum, Sodium Stearoyl Lactylate, Tapioca Starch, Algin

INCI	CAS	EC
Xanthan Gum	11138-66-2	234-394-2
Sodium Stearoyl Lactylate	25383-99-7	246-929-7
Tapioca Starch	9005-25-8	232-679-6
Algin	9005-38-3	618-415-6

APPLICATIONS
- Creams and lotions
- Hair care
- Sun care
- Baby products

USE LEVELS / GUIDELINES FOR USE
- Use up to 4% depending on viscosity required, see detailed guidelines for use.
- Can achieve viscosities up to 30,000cps
- Processing temperature needs to be above 70°C
- Keep final formulation between pH 5 - 10

KEY PROPERTIES
- Can be used as an emulsifier, thickener or stabiliser.
- Forms light gel creams to emulsify up to 20% oil.
- Non-sticky/non-tacky touch to emulsions.
- Mild & safe to the skin.

STORAGE
Keep away from moisture by storing in tightly closed containers away from extreme temperatures.

PACKAGING
5kg plastic tubs.

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SAFETY
For information on the safety of this product, please consult the material safety data sheet (MSDS).

SHELF LIFE
Instathix® has a 2-year shelf life.
The product can be re-analyzed after a 2-year storage period under recommended storage conditions.

SPECIFICATION

Criteria	Specification
Appearance	White Powder
Appearance (1% Soln.)	N/A
Smell:	Characteristic
Loss on Drying:	<8%
pH (1% Soln.):	5.0 - 7.0
Viscosity (1% Soln.):	N/A
Particle Size (Upper):	<5% @ 300µm
Particle Size (Lower):	>80% @ 75µm
TVC Bacteria:	<1000 cfu/g
TVC Yeast & Moulds:	<100 cfu/g

Name: Lloyd Warren
Signature:



Position: Operations manager
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