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FACT SHEET **CETYL ALCOHOL**

Description: A vegetable-derived fatty alcohol typically used as a stabiliser and skin lubricant. It adds body and viscosity to creams and lotions, improving texture and feel with its characteristic velvety texture. Soluble in diethyl ether & acetone, slightly soluble in alcohol. Insoluble in cold water. Partially solubility in hot water.

INCI Name: Cetyl Alcohol

Use: 1-30%

Properties: Helps protect hairs' cuticles and helps them lie flat to prevent dryness and frizz. Also helps to treat or prevent dry, rough, scaly, itchy skin and minor skin irritations.

Applications: Creams, lotions, scrubs.

Sample Recipe: *Face Mask*

Phase A

Jojoba Oil - 2%

Cetyl Alcohol - 2%

Cetearyl Alcohol - 3%

Phase B

Hot Distilled Water - 65.3%

Xanthan Gum - 0.5%

Sorbitol - 2%

Phase C

White Clay - 18%

Phase D

Silk Protein Liquid - 3%

Hydrolysed Oat Infusion - 3%

GFphen PCG - 1%

Fragrance - 0.2%

Method

Put phase A into a heat-resistant glass jar and place it in a hot water bath (150oF/66oC) to melt the ingredients. Put phase B into a separate jar and stir with high speed to dissolve the gum, heat it to the same temperature. Add phase B to phase A and stir until it is a homogenous solution. Add phase C to phase A/B and stir. After temperature has dropped to 100oF/38oC add phase D and stir again.

This sample recipe is provided as a guide. Gracefruit Limited makes no guarantees with regard to the outcome or effectiveness of any of our formulations. Gracefruit Limited accepts no responsibility for the mishandling or misuse of any of our products. It is the customer's responsibility to test compatibility before proceeding with manufacture using our raw materials and/or packaging materials. Gracefruit Limited cannot be held liable for products made using our formulas, raw materials, or packaging materials.

