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Clear Deodorant Stick Formulation J4/5A

The **JEECOL® PMA-3** is a light ester that can partially substitute for volatile solvents in stick formulations reducing stick shrinkage. This stick leaves a silky feel upon application. Stick structure is provided by the **JEECHEM® Sodium Stearate C1**.

Ingredients	INCI Nomenclature%	Supplier	%
JEECOL® PMA-3	PPG-3 Myristal Ether	JEEN Int'l	45.0
Propylene Glycol	Propylene Glycol	JEEN Int'l	20.0
JEECHEM® Sodium Stearate C1	Sodium Stearate	JEEN Int'l	8.0
Triclosan	Triclosan	JEEN Int'l	0.30
JEESILC® CPS-312	Cyclomethicone	JEEN Int'l	25.7
Fragrance	Fragrance		1.0

Procedure:

1. Add the Jeecol PMA-3 and heat to 75-80C.
2. Add in the Propylene Glycol and mix until uniform.
3. Add in the Sodium Stearate and mix until clear.
4. Add in the Triclosan and mix until dissolved.
5. Add in the Cyclomethicone and mix.
6. Pour product into stick containers and let harden.

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