



VersaFreeze Relief Stick

Take advantage of the versatile cooling relief of menthol in a no-mess, non-staining crystal-clear form.

penreco.

Versastique™ Clear ME 5 T

A crystal clear hydrogenated polyisobutene-based blend simplifies the creation of clear stick products. It is compatible with a wide variety of low polarity materials while stabilizing and protecting active ingredients. This base gives a glossy appearance, adds moisturization, and provides good spreading properties. It is easily emulsified and is a great alternative to mineral oil.

Versastique™ Clear ML 5 T

A crystal clear C12-15 alkyl benzoate-based blend simplifies the creation of clear stick products. It is compatible with a wide variety of low polarity materials while stabilizing and protecting active ingredients. This base is a good solubilizer that helps uniformly disperse other ingredients while adding some light moisturization.

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VersaFreeze Relief Stick

Formula no: HL0041-120-1

#	TRADE NAME	INGREDIENT(S)	WT %	SUPPLIER
PHASE A				
1	LexFeel™ 7	Neopentyl Glycol Diheptanoate	5.66	Inolex
2	PERFORMA™ V 6038 Polymer	Synthetic Wax	5.64	New Phase Technologies
3	SustOleo™ TL	Trilaurin	3.00	Inolex
4	Versastique™ Clear ME 5 T	Hydrogenated Polyisobutene (and) Butyl Stearate (and) Isostearyl Alcohol (and) Hydrogenated Styrene/Butadiene Copolymer (and) Dibutyl Lauroyl Glutamide (and) Dibutyl Ethylhexanoyl Glutamide (and) Pentaerythrityl Tetra-Di-t-Butyl Hydroxyhydrocinnamate	50.00	Penreco
5	Versastique™ Clear ML 5 T	C12-C15 Alkyl Benzoate (and) Butyl Stearate (and) Isostearyl Alcohol (and) Hydrogenated Styrene/Butadiene Copolymer (and) Dibutyl Lauroyl Glutamide (and) Dibutyl Ethylhexanoyl Glutamide (and) Pentaerythrityl Tetra-Di-t-Butyl Hydroxyhydrocinnamate	25.00	Penreco
PHASE B				
6	SunCROMA™ D&C Violet 2 (C46-A223)	Violet 2 (CI 60725) (0.1% solution in LexFeel™ 7)	0.20	SunChemical
7	dl- α -Tocopheryl Acetate	Tocopheryl Acetate	0.50	DSM
8	L-Menthol Crystals USP	Menthol	10.00	Penta
Total			100%	

Not all raw materials listed are manufactured in accordance with cGMP. Please ensure you review and align to all regulations.

PROCEDURE

1. Combine phase A ingredients and heat to 110°C with mixing.
2. Once A is fully melted, add phase B ingredients sequentially with mixing; mix until menthol is fully melted & incorporated.
Note: For greater accuracy, SunCROMA® D&C Violet 2 was first dissolved in LexFeel™ 7 to make a 0.1% solution.
3. Immediately pour into stick-style packaging.

PROPERTIES

Aesthetics: clear, violet stick product.

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