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VANDERBILT *Report*

Low VOC Paint Remover No. 563

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This low volatile organic content (VOC) paint removing gel uses a synergistic combination of **VEEGUM[®] PRO** Magnesium Aluminum Silicate and hydroxypropylcellulose to provide thickening and vertical surface cling. This allows the solvent longer contact time on the painted surface.

	<u>Ingredients</u>	<u>% By Weight</u>
A	VEEGUM PRO , Magnesium Aluminum Silicate	1.0
	Water	33.0
B	N-methyl-2-pyrrolidone	32.0
	Dipropylene Glycol Methyl Ether Acetate	32.0
	Triton [®] X-100 ¹ , Octoxynol-9	1.0
	Klucel [®] M IND ² , Hydroxypropylcellulose	1.0

¹Dow Chemical Company, Midland, MI

²Hercules Inc., Wilmington, DE

Procedure:

Step 1. Sift the **VEEGUM PRO** into an established vortex in the water. Mix at maximum available shear until the **VEEGUM PRO** is fully hydrated.*

Step 2. While mixing, slowly add the N-methyl-2-pyrrolidone in order to avoid an excessive exotherm in the batch.

Step 3. Cool while mixing to ~30°C, then slowly add the dipropylene glycol methyl ether acetate, followed by the surfactant.

Step 4. Slowly sift in the Klucel M and mix until it is completely dissolved. Avoid air entrapment.

This formula passed three (3) months of laboratory stability testing at room temperature, 5°C, 38°C, 45°C and 50°C, and 3-cycle freeze/thaw.

*Refer to the **VEEGUM/VAN GEL[®]** Brochure for hydration guidelines.

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Triton is a registered trademark of Union Carbide Chemicals and Plastics Technology Corporation.
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