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VANDERBILT *Report*

Rust Removal Jelly No. 467

R.T. Vanderbilt Company, Inc.
30 Winfield Street, P.O. Box 5150, Norwalk, CT 06856-5150
Telephone: (203) 853-1400
Fax: (203) 853-1452, Web Site: www.rtvanderbilt.com

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This rust removal composition contains a synergistic combination of **VAN GEL[®] B** Magnesium Aluminum Silicate and **VANZAN[®]** Xanthan Gum. This composition provides thickening and stabilization, as well as vertical surface cling, which prolongs the working time of the acid.

Ingredients	% By Weight
VAN GEL B , Magnesium Aluminum Silicate	3.0
VANZAN , Xanthan Gum	0.8
Water	53.2
Phosphoric Acid, 50% Aqueous Solution	40.0
Octoxynol-9	3.0

Procedure:

Step 1. Blend the **VAN GEL B** and **VANZAN** and sift into an established vortex in the water. Mix at maximum available shear until fully hydrated*.

Step 2. Reduce the stirrer speed to produce a slight vortex and slowly add the phosphoric acid solution.

Step 3. When all the acid has been added, add the octoxynol-9 and mix until uniform.

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

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

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