

FUNCTIONAL V-191 **TACKIFIER FOR GREASES (IN EMULSION FORM)**

APPLICATION:

FUNCTIONAL V-191 is a tackifier for use in greases. As an emulsion, the high active polymer level results in a modest viscosity compared to solutions of tackifier polymers in oil. **FUNCTIONAL V-191** is best used in those greases that are either made with water, or where water is formed as a by-product of soap formation.

COMPOSITION:

The active polymeric ingredient in **FUNCTIONAL V-191** is a hydrocarbon having very high molecular weight. The emulsifying package has detergents and dispersants (in ammonium salt form) to stabilize the emulsion.

Typical properties	
Appearance	White liquid
Odor	Ammoniacal
Specific Gravity	0.96
Ponds per Gallon	8.0
pH	10.0

TREATMENT LEVEL:

Typical treatment range of 0.5% - 2.0% are used in greases to provide “cling” and “tack”.

HANDLING:

FUNCTIONAL V-191 is subject to freezing at temperatures below the freezing point of water. Freezing must be prevented, to avoid irreversibly breaking the emulsion. To provide a safety margin, we discourage storage below 5°C (40°F). Shear is the enemy of all tackifiers, and we recommend adding **FUNCTIONAL V-191** as late in the grease making process as possible, preferably after milling if the water can be tolerated in the product. The vapor space above **FUNCTIONAL V-191** contains ammonia, and drums or other containers should be opened with care to avoid inhaling ammonia. Refer to the current Material Safety Data Sheet

This Technical Data Sheet and the Material Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

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