



# Struktol Company of America

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# TECHNICAL DATA

## STRUKTOL® V-HRW

LUBRICANT ADDITIVE FOR PVC AND POLYMER PROCESSING

### COMPOSITION

Hydroxyl glycerol ester of saturated fatty acids.

### PROPERTIES

|                        |  |
|------------------------|--|
| Appearance             | White to off white flakes or powder                |
| Dropping Point (°C)    | 85 Minimum   |
| Specific Gravity       | 1.023  |
| Physiological Behavior | Refer to safety data sheet                         |
| Storage Stability      | At least 2 years under normal storage conditions   |
| Packaging              | 50 lb. bag (40 bags/pallet)<br>2,200 lb. supersack |

### RECOMMENDATIONS FOR APPLICATION

**Typical Application:** STRUKTOL® V-HRW is a highly compatible, rigid PVC lubricant with both internal and external properties. It is particularly useful in clear PVC articles due to its excellent clarity and low water blush. It can be used in blow molding, injection molding, extrusion and is especially effective in calendaring applications and in products that will be printed, bonded or laminated.

**Features:** STRUKTOL® V-HRW has very little effect on heat distortion temperature (HDT) and is approved for food use.

### DOSAGE

|   |                   |                 |  |        |               |
|---|-------------------|-----------------|--|--------|---------------|
| <b>Injection Molding</b><br>( <i>Opaque</i> ) | V-HRW             | 0.7 – 1.5 phr   | <b>Injection Molding</b><br>( <i>Clear</i> ) | V-HRW  | 0.7 – 1.0 phr |
|   | V-PEAS            | 0.3 – 0.75 phr  |  | V-PEAS | 0.3 – 0.6 phr |
|   | Oxidized HDPE     | 0.07 – 0.15 phr |  |        |               |
|   | Calcium Stearate* | 0.3 – 1.0 phr   |  |        |               |

\*Note: Reduce Calcium Stearate as much as possible for improved flow.

|                                       |                  |                 |
|---------------------------------------|------------------|-----------------|
| <b>Extrusion</b><br>( <i>Opaque</i> ) | V-HRW            | 0.7 – 1.0 phr   |
|                                       | V-PEAS           | 0.3 – 0.75 phr  |
|                                       | Oxidized HDPE    | 0.07 – 0.15 phr |
|                                       | Calcium Stearate | 0.3 – 1.0 phr   |

|   |                  |                 |  |           |               |
|---|------------------|-----------------|--|-----------|---------------|
| <b>Calendaring</b><br>( <i>Opaque</i> ) | V-HRW            | 0.7 – 1.5 phr   | <b>Calendaring</b><br>( <i>Clear</i> ) | V-HRW     | 0.6 – 1.2 phr |
|   | VLB-602          | 0.5 – 0.75 phr  |  | V-PEAS LA | 0.3 – 0.5 phr |
|   | Oxidized HDPE    | 0.07 – 0.15 phr |  |           |               |
|   | Calcium Stearate | 0.3 – 0.75 phr  |  |           |               |

|                  |                 |
|------------------|-----------------|
| V-HRW            | 0.7 – 1.5 phr   |
| V-PEAS LA        | 0.3 – 0.6 phr   |
| Oxidized HDPE    | 0.07 – 0.15 phr |
| Calcium Stearate | 0.3 – 0.75 phr  |

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The information herein is believed to be reliable, but is presented without guarantee or warranty, express or implied. Nothing contained herein is to be construed as a recommendation for any use which is in violation of an existing patent.



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### FDA Status

STRUKTOL® V-HRW is sanctioned for use by the Food and Drug Administration (FDA) listed in the following sections of Title 21 of the Code of Federal Regulations:

**176.170      176.210      177.1200      177.1210      177.2420      178.3280**

(02/28/07)JMB/mmm

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