



Product Data Sheet

Revision Date: 06/10

SYLVAROS® DRS 40

Disproportionated Rosin Soap

The **SYLVAROS® DRS-40** is a rosin soap which begins with catalytically disproportionated rosin derived from high-purity rosin. The disproportionation step converts abietic acid to the more oxidation-resistant dihydroabietic and dehydroabietic acid isomers. The extremely low abietic acid content ensures that **SYLVAROS® DRS-40** soap is made from these rosin acids will not interfere with the catalyst-initiator system or polymer chain length during the polymerization of SBR rubber. When the resultant latex is coagulated by acidification, the free rosins remain in the polymer to impart better tack, higher tensile strength, superior heat resistance, and improved hysteresis characteristics.

SYLVAROS® DRS-40 is a water-dispersible potassium soap with an electrolyte added to minimize stratification.

| PROPERTIES | TYPICAL | SPECIFICATIONS |
|----------------------------------------|-------------|----------------|
| Acid Value | 16 | 15 - 17 |
| Total Solids, % | 80 | 79 - 82 |
| Composition – Abietic Acid, % (by GLC) | 0.2 | 0.7 Maximum |
| Composition – Chlorides, % (as NaCl) | 1.0 | |
| Viscosity, cps, 65C | 1,800 | |
| Viscosity, cps, 75C | 900 | |
| Viscosity, cps, 80C | 650 | |
| Weight Per Gallon, 65C, lb./gal | 9.16 | |
| Flash Point, Open Cup, C (F) | >204 (>400) | |

| | |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Safety Information: | Please refer to Material Safety Data Sheet #551 . |
| Available Forms/Packaging: | High-solids paste in tank car. Molten in tank truck. Paste in lined (open-head) drums (net 485 lb). |
| Shipping Point: | Panama City, Florida |
| DOT Shipping Classification: | Non-hazardous. |
| Suggested Applications: | Emulsifier in SBR polymerization. |



Technical Service: Savannah, GA (912) 238-6556
Sales Service: Jacksonville, FL - (800) 733-1374

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Food and Drug Administration Coverage:

SYLVAROS[®] DRS-40 meets the ingredient requirements of the following sections of the Code of Federal Regulations, Title 21 when used according to the regulations and any limitation that may apply:

| | |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 175.105 | Adhesives |
| 175.125(b) | Pressure Sensitive Adhesives. Applications to raw fruit and raw vegetables only. |
| 176.170(a) | Components of Paper and Paperboard in contact with Aqueous and Fatty Foods. May exempt extractive limitations according to provisions of 176.170(a). |
| 176.180(b)(1) | Components of Paper and Paperboard in contact with Dry Foods [by cross reference to 176.170(a)]. May exempt extractive limitations according to provisions of 176.170(a). |
| 176.200 | Defoaming Agents used in Coatings. |
| 176.210 | Defoaming Agents used in the Manufacture of Paper and Paperboard. |
| 177.1200 | Cellophane. |
| 177.2600 | Rubber Articles intended for repeated use. |
| 177.1210 | Closures with Sealing Gaskets for food containers. Use only in resinous and polymeric coatings on metal substrates. |
| 178.3120 | Animal Glues. |
| 178.3970 | Rosin and Rosin Derivatives |

Method of Analysis: Consult Bulletin No. 6134
"Methods of Analysis for Arizona Chemical Company Tall Oil Rosin Products."



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