



# TSP-93

Chemical Intermediate

## Applications

Intermediate for production of ethoxylated and propoxylated surfactants

## Packaging and Handling

- TSP-93 is available in:  
Pail (net wt. 40 lbs.)  
Drums (net wt. 440 lbs.)  
Totes (net wt. 2200 lbs.)  
Bulk
- Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.
- Protect from freezing
- DOT Classification: Not regulated

## Technical Information

TSP-93 is an intermediate which is used for the production of ethoxylated and propoxylated surfactants. This product is a mixture of tri-styrenated phenol, di-styrenated phenol, and small amounts of mono-styrenated phenol & phenol (as described in the Typical Properties table).

Shelf life of 1 year.

\*Typical Properties do not represent specifications.

## Typical Properties\*

| PROPERTY                | VALUE              |
|-------------------------|--------------------|
| Appearance              | Pale amber liquid  |
| Gardner color           | 5.0 max.           |
| pH                      | 5-6 (10% solution) |
| Density@25°C            | 1.07±0.02 g/ml     |
| Total styrenated phenol | 93% min.           |
| MSP                     | 1.0% max.          |
| DSP 2,6                 | 18 to 28%          |
| DSP 2,4                 | 5% max.            |
| TSP                     | 63 to 73%          |
| Styrene                 | 3500 ppm max.      |
| Phenol                  | 10,000 ppm max.    |
| Hydroxyl                | 135-145 mg. KOH/g. |

Whether you're looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

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This information relates only to the specific material referred to herein and not to its use in combination with any other material or in any process, unless explicitly stated herein. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled; however, no warranty, guarantee or other representation is made as to its accuracy, reliability, or completeness, or regarding any liabilities arising from others' intellectual property rights. ID# 20250519