



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).

Typical Properties

PROPERTY	VALUE
Appearance	Pale amber liquid
Gardner color	7.0 max.
pH	5-6 (10% solution)
Density@25°C	1.07±0.02 g/ml
Total styrenated phenol	93% min.
MSP	1.0%
DSP 2,6	10 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# 20231220