

# YINOX<sup>®</sup> 920

## Technical Data Sheet

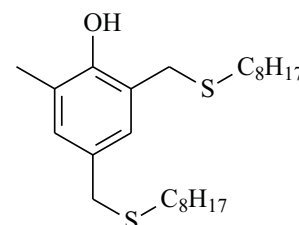
### Introduction

2,4-bis (octylthiomethyl)-o-cresol

$C_{25}H_{44}S_2O$

Molecular weight:425

CAS NO. :110553-27-0



### Physical

Appearance	Colorless or pale yellow liquid
Assay, %	≥98.0
Melting point, °C	≥14
Ash, %	≤0.1
Volatility, %	≤0.5

#### Solubility (g/100g solvent, 25°C)

Water < 0.01	Methanole > 50	Acetone > 50	Ethanol > 50
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#### TGA (°C, % mass loss)

Weight loss, %	5	10	50
Temperature, °C	174	227	289

### Applications

YINOX<sup>®</sup> 920 is a multifunctional liquid thiophenol antioxidant. It has double efficacies of both free radical termination and hydroperoxide decomposition because of its special structure. YINOX<sup>®</sup> 920 not only provides the thermal oxidative protection during the processing, but also improves the weatherability of the products effectively. It is widely used in the synthetic rubber such as BR, SBR, EPR, NBR, thermoplastic elastomer etc. The dosage is small and the antioxygen effect is good. It can improve the stability of the plastic or synthetic plastic. It belongs to environmental-friendly antioxidant and realizes the transformation of the rubber products from general type to environmental-friendly type.

YINOX<sup>®</sup> 920 is applied to the high molecular polymer such as lubricant, plastic etc. It also has the excellent antioxygen effect.