

# Product Data Sheet

## **PINE OIL 80** (NPO-80)

Pine Oils are widely used in the following applications: liquid acid cleaners, alcohol lotions, anti perspirants, bleaches, deo stick, detergent perborates, detergent TAED, fabric softeners, foam bath, hard surface cleaners, shampoos, and soaps.

**Appearance:** Clear to Light Amber

---

### Product Properties

	Specifications	Typical Properties
Terpene Alcohols, % GLC (min)	-	80
Color (APHA)	-	25
Specific Gravity @ 15.5/15.5 °C	-	0.915 – 0.925
Refractive Index @ 25°C	-	1.478
Flash Point, TCC °F	-	170
Distillation Range °C 5% (95%)	-	180 / 220
Moisture, %	-	0.5

---

SAFETY INFORMATION: ..... Please refer to MSDS  
AVAILABLE FORMS / PACKAGING: ..... Tank Truck-Totes-Drums  
SHIPPING POINTS: ..... Atlanta, GA

**The Nottingham Company**  
*Div. of Performance Process Inc.*

**Sales and Technical Service: Atlanta, GA. (404) 351-3501**

The information and statements herein are believed to be reliable, but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license.