

## HY-12D (Dodecylphenol)

【CAS Number】 121158-58-5

【Chemical Component】 Dodecylphenol

【Surfactant Type】 Alkylphenol

【Specification】 HY-12D

【Technical index】

Type	HY-12D
Appearance	Colorless to light yellow liquid
Water Content, %	≤0.5
Phenol, GC, %	≤0.2
Light Alkylphenols, GC, %	≤3.0
Nonyl Phenol, GC, %	≤0.1
Content, GC, %	≥95
Heavy Content, GC, %	≤2
Color Number, Pt-Co	≤50
Flash Point, °C	≥140
Density, g/mL	0.90-0.95
Hydroxyl Value, mg KOH/g	200-220
Viscosity (by Brookfield ), mPa.s	1000-1200

【Performance and Application】

1. As an intermediate for the production of lubricant additives of cleaning agents and inhibitors.  
Mainly used to produce alkyl phenol calcium and bialkyl disulfide.
2. Dodecyl phenol ethoxylate

It's used to produce ethoxy compounds

3. Other derivative

Used to prepare for 2,4 dibutyl dodecyl phenol.

4. Modified phenolic resin & novolak resin

Modified resin with higher alkyl phenol, such as dodecyl phenol, can make the resin have good solubility, higher viscosity and larger molecular weight, and basically meet the needs of high-speed printing and massive use of aromatic-free mineral oil.

Dodecylphenol used as the binder component in the varnish.

5. Epoxy resin

Dodecyl phenol can be used as a curing agent for epoxy resins, and is widely used in the fields of epoxy floor paints and OLY.

6. Electrophoretic paint / electrophoretic coating

**【Packaging and Storage】**

190kg/Barrel, inner barrel packing.

Store in a dry and ventilated place, avoid direct sunlight and keep sealed.

Shelf life: one year