

### WOODY BIOTECHNOLOGY

CAS NUMBER 1450625-49-6  
REACH NUMBER 01-2119967775-18  
FEMA NUMBER

RENEWABLE CARBON  100%  
BIODEGRADABILITY  Readily  
GREEN CHEMISTRY SCORE  70 - 100%



### OLFACTIVE DESCRIPTION

A soft and clean version of a patchouli profile.

Created from white biotechnology, CLEARWOOD® delivers all the rewards of modern ingredient design. Beaming with light, it offers the creamy warmth of amber and a dark woody character reminiscent of patchouli.

### PERFUMERY USAGE

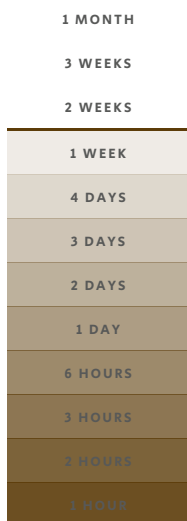
CLEARWOOD® can sign a formula as a creative new sustainable ingredient. At higher dosages it can be used as a new building block. Rich in patchoulol, CLEARWOOD® can elegantly complement a patchouli essential oil.

### HISTORY

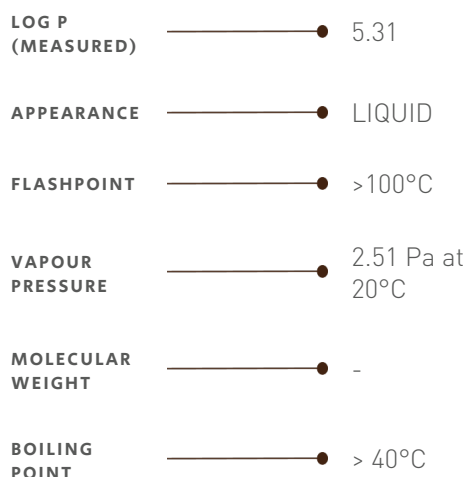
To offer alternatives to natural wood resources, Firmenich scientists developed a range of more affordable, sustainable offerings. The first woody molecule introduced was Z11 in 1961, then came POLYSANTOL®, the first sandalwood molecule in 1985.

### TENACITY

Lasts 1 week on a smelling strip



### PHYSICO-CHEMICAL PROPERTIES



### STABILITY & PERFORMANCE

RECOMMENDED APPLICATIONS	STABILITY	CONCENTRATION AVG - MAX	SUBSTANTIVITY & REMARKS	
FINE FRAGRANCES	■■■■■	2% - 8%	HEART AND BASE NOTE	
SHAMPOO	■■■■■	1% - 3%	WET ■■■■	DRY ■■
SHOWER GEL	■■■■■	1% - 4%	BLOOM ■■■■	
SOAP	■■■■■	1% - 4%	FOAM ■■■■	DRY HAND ■■■■
DETERGENT	■■■■■	0,6% - 2%	WET ■■■■	DRY ■■■■
SOFTENER	■■■■■	0,8% - 3%	WET ■■■■	DRY ■■■■
APC	■■■■■	0,2% - 0,9%		
CANDLE	■■■■■	2% - 7%	COLD WAX ■■■■	BURNING ■■■■

### DID YOU KNOW ?

Depending on the country, CLEARWOOD® is identified either by the CAS number 84238-39-1 (China, Europe and Taiwan, China) or by the CAS number 1450625-49-6 (Australia, Philippines, South Korea, USA and Canada).