



# ANGELICA LACTONE ALPHA

HERBAL, SWEET, ANISIC, NUTTY

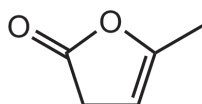
BIOBASED 100%

## APPLICATION INFORMATION

Used in oral care formulations to round out mint notes and in coffee flavors.

## CHEMICAL STRUCTURE

5-Methylfuran-2(3H)-one



Chemical formula - C<sub>5</sub>H<sub>6</sub>O<sub>2</sub>

## SYNONYM

alpha-Angelica lactone

## TENACITY ON BLOTTER

> 12

00

00

HOURS

DAYS

WEEKS

## BLOOM DIFFUSIVITY



POOR

FAIR

GOOD

VERY

## TYPICAL USE LEVEL



ODOR TYPE - HAY

## OCCURENCE IN NATURE

Found in licorice and honey.

## TYPICAL PHYSICAL PROPERTIES

|  |   |
|--|---|
| - Flash Point °C                         | 74 °C   |
| - [α] <sub>D</sub> <sup>20</sup> minimum | -   |
| - GC                                     | 98% min. as Angelica Lactone alpha, 1% max as Angelica Lactone beta |
| - Appearance                             | Yellow clear liquid   |
| - CAS No.                                | 591-12-8  |
| - M.W.                                   | 98.10   |
| - FEMA / GRAS No.                        | 3293  |
| - Food Grade Cert.                       | YES   |
| - CLogP                                  | 0.03  |
| - Vapor Pressure                         | 52.300 Pa at 25°C   |

## PROPERTIES

|                                 | STABILITY     | POOR | FAIR | GOOD |
|---------------------------------|---------------|------|------|------|
| - Hypochlorite bleach           |               | •    |      |      |
| - Perborate Powder Detergent    |               |      | •    |      |
| - Liquid Detergent              |               |      | •    |      |
| - Concentrated Fabric Softeners |               |      | •    |      |
| - Soaps                         |               |      | •    |      |
| - Alcoholic fine fragrances     |               |      |      | •    |
| - Toiletry Applications         |               |      | •    |      |
| - Antiperspirants               |               |      | •    |      |
|                                 | SUBSTANTIVITY | POOR | FAIR | GOOD |
| - Skin                          |               |      |      | •    |
| - Dry Fabric                    |               |      |      | •    |
| - Wet Fabric                    |               |      |      | •    |
| - Hair                          |               |      |      | •    |