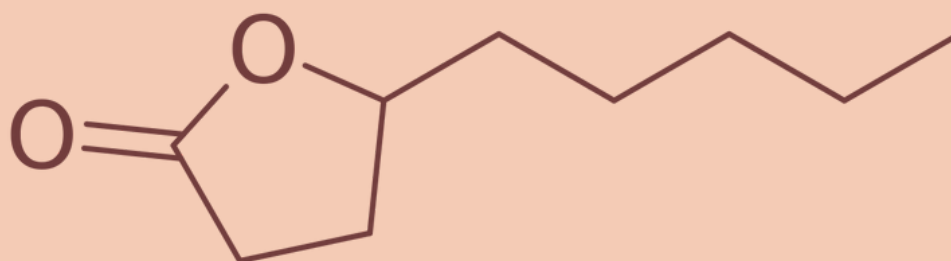




WHO ARE LACTONES?

LACTONES ARE CYCLIC ESTERS, NOT ALDEHYDES



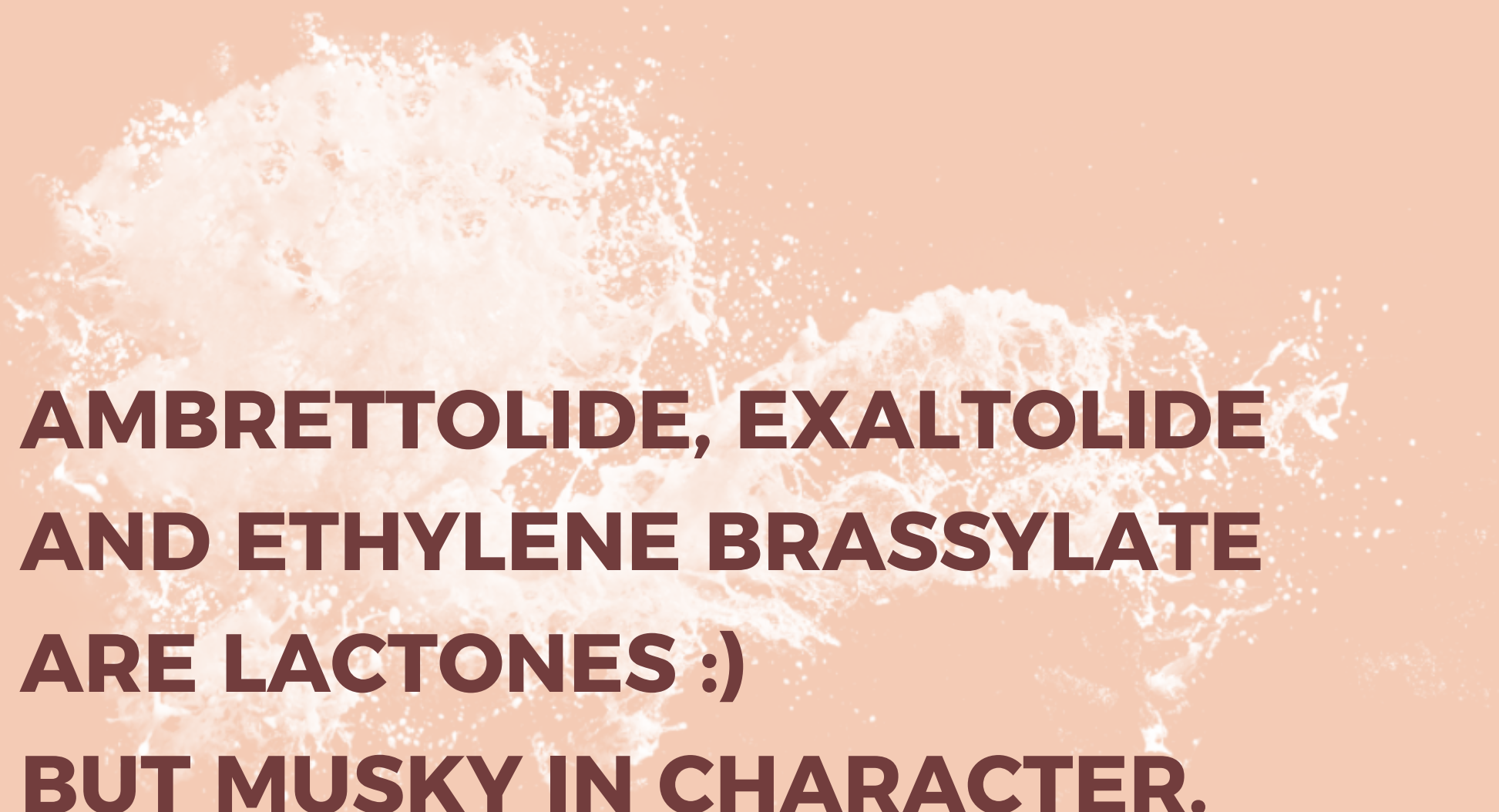
GAMMA NONALACTONE

| | M.W |
|----------------------|----------------|
| HEXALACTONE | 114.144 |
| HEPTALACTONE | 128.171 |
| OCTALACTONE | 142.198 |
| NONALACTONE | 156.224 |
| DECALACTONE | 170.251 |
| UNDECALACTONE | 184.278 |
| DODECALACTONE | 198.305 |



LACTONES EFFECTS VARY BUT MOST OF THEM GIVE FRUITY, MILKY, CREAMY, OR WAXY EFFECTS.

- **MOST OF THE DELTA ISOMERS ARE VISCOUS. WAXIER AND LESS MILKY.**
- **MOST OF THE GAMMA ISOMERS ARE MILKY & FRUITY.**



**AMBRETTOLIDE, EXALTOLIDE
AND ETHYLENE BRASSYLATE
ARE LACTONES :)
BUT MUSKY IN CHARACTER.**



HOW I USE LACTONES? :

- **FLORALS LIKE TUBEROSE,
GARDENIA, JASMINE,
MAGNOLIA & OSMANTHUS;

TO ADD A CREAMY TOUCH**



- **FRUITS LIKE FIG, MANGO, GUAVA, PLUM, COCONUT, APRICOT & PEACH;
TO GIVE A JUICY TOUCH.**
- **WOODS LIKE SANDALWOOD & CEDARWOOD;
TO IMPART A MILKY NAUNCE.**

IN ACCORDS LIKE :

WHIPPED CREAM

STARFRUIT

POMEGRANATE

BANANA

PINACOLADA

COOKIE

CAPPUCCINO

COCONUT

BUTTER

MILK



MY ACTUAL USAGE OF LACTONES IN FORMULAS

| FORMULA | LACTONES % |
|-------------------------------|------------|
| COCONUT BUBBLEGUM AIR FR. | 5% |
| ORIENTAL VANILLA FINE FR. | 1% |
| MILK & HONEY BODY CARE FR. | 1.8% |
| DREAMY VANILLA AIR FR. | 3% |
| ELEGANT FRUITS AIR FR. | 1.8% |
| CITRUSY VANILLA BODY CARE FR. | 1.44% |



TIP:
DON'T OVERDOSE LACTONES IN
HAIR CARE FRAGRANCES
BECAUSE IT LEAVES AN
UNDESIRE ODOR ON THE HAIR.

