

**Dr. Duke's Phytochemical and Ethnobotanical Databases****List of Chemicals for Irritant**

<b>Chemical</b>	<b>Dosage</b>
(+)-PULEGONE	ZEB
FURFURAL	--
LACTIC-ACID	--
CAPSAICIN	--
CINNAMIC-ALCOHOL	--
FICIN	--
P-ANISALDEHYDE	--
OXALIC-ACID	--
THYMYL-ACETATE	--
PHELLANDRENE	--
ALPHA-PINENE	--
P-CYMENE	--
COLCHICINE	--
ISOPROPYL-ACETATE	--
ISOBUTYL-ALCOHOL	--
ISOVALERIC-ACID	--
PODOPHYLLOTOXIN	--
SANGUINARINE	--
MENTHOL	--
MUFAS	--
CARVACROL	--
GERANYL-ACETONE	--
FORMIC-ACID	--
ANISOLE	--
BENZYL-PROPIONATE	--
THYMOL	--
1,8-CINEOLE	--

Chemical	Dosage
BETA-PELTATIN	--
MYRCENE	--
CRESOL	--
ALLYL-BUTYRATE	--
M-CRESOL	--
PROTOANEMONIN	--
SORBIC-ACID	--
CAMPHOR	--
P-ACETANISOLE	--
CHELERYTHRINE	--
ISOAMYL-ACETATE	--
GLYOXYLIC-ACID	--
CITRONELLAL	--
D-BORNEOL	--
TERPINEN-4-OL	--
PHENYLETHYLAMINE	--
CAPRIC-ACID	--
BENZYL-ACETATE	--
DEGUELIN	--
N-AMYL-ACETATE	--
MILLIAMINE	--
PYROGALLOL	--
BORNEOL	--
12-O-(2Z)(4E)-OCTADIENOYL-4-DEOXYPHORBOL-13-ACETATE	--
BETA-PINENE	--
CHRYSANTHEMIC-ACID	--
METHYL-BENZOATE	--

Chemical	Dosage
HISTAMINE	--
DIHYDROCARVEOL	--
BUTYL-ISOVALERATE	--
MALONIC-ACID	--
CITRONELLOL	--
CAPRYLIC-ACID	--
BENZYL-BENZOATE	--
EUGENOL	--
AMYL-CINNAMIC-ALDEHYDE	--
OLEIC-ACID	--
STYRENE	--
EUCALYPTOL	--
ALPHA-PHELLANDRENE	--
N-NONANAL	--
CNICIN	--
DIACETYL	--
ISOAMYL-ALCOHOL	--
GAMMA-DECALACTONE	--
BENZYL-ISOTHIOCYANATE	--
LINALOOL	--
CARENE	--
ETHYL-ISOBUTYRATE	--
FORMALDEHYDE	--
ANISE-ALCOHOL	--
PHENETHYLAMINE	--
BENZYL-CINNAMATE	--
VANILLIN	--

Chemical	Dosage
SAFROLE	--
ARMEPAVINE	--
CARYOPHYLLENE	--
COTOIN	--
ALLYL-ACETATE	--
ISOBUTYRIC-ACID	--
PROPYLAMINE	--
DELTA-3-CARENE	--
LIMONENE	--
TARTARIC-ACID	--
CEVADINE	--
GUAIACOL	--
GLYCOLIC-ACID	--
ALPHA-CEDRENE	--
GAMMA-BISABOLENE	--
MUFA	--
ONONIN	--
BUTYRALDEHYDE	--
PROPIONIC-ACID	--
CRYPTOPLEURINE	--
ALLYL-CAPROATE	--
METHYL-AMINE	--
PYRIDINE	--
ANETHOLE	--
(15:1)-CARDANOL	--
ALLYL-MERCAPTAN	--
CHELIDONIC-ACID	--

Chemical	Dosage
ISOBUTYL-ACETATE	--
HELENALIN	--
CITRONELLYL-ACETATE	--
N-BUTYL-N-BUTYRATE	--
APIOLE	--
CITRIC-ACID	--
CAPROIC-ACID	--
DIMETHYL-SULFIDE	--
DIPENTENE	--
N-AMYL-ALCOHOL	--
N-PROPYL-ALCOHOL	--
RESORCINOL	--
CINNAMALDEHYDE	--
ADIPIC-ACID	--
GAMMA-TERPINENE	--
CHRYSAROBIN	--
CUMINALDEHYDE	--
HYDROQUINONE	--
DODECANAL	--