

Not Official.

ULEXINE.

An alkaloid prepared from *Ulex Europæus*, the common gorse or furze.

Solubility.—Freely soluble in Water and Chloroform; insoluble in Pure Ether.

The **Nitrate**, **Hydrochloride**, and **Hydrobromide** are crystalline salts.

Medicinal Properties.—Diuretic; useful in cases of dropsy due to heart disease.

Dose.— $\frac{1}{10}$ to $\frac{1}{5}$ grain dissolved in 60 minims of Water.

P.J. (3) xvii. 101, 229; (3) xix. 1029; (3) xx. 1017; *L.* '86, ii. 645; '87, ii. 691; '88, i. 241.

Ulexine temporarily masks the action of Strychnine.—*T.G.* '87, 280, 690.

Not Official.

ULMUS.

The dried inner bark of *Ulmus campestris*.

Medicinal Properties.—Bitter, demulcent, tonic, astringent. Given internally for chronic scaly skin diseases, externally as an emollient.

Foreign Pharmacopœias.—Official in Fr., Orme Champêtre and O. Fauve; Port., Olmo; U.S., *Ulmus Fulva*, Slippery Elm.

Preparation.

DECOCTUM ULMI.—Elm Bark cut small, 1: Distilled Water, 8; boil 10 minutes, strain and make up to 8.

Dose.—2 to 4 fluid ounces, three or four times daily.

Foreign Pharmacopœias.—Official in U.S. (*Mucilago Ulmi*), 6 of Slippery Elm in 100; not in the others.

UNGUENTA.

OINTMENTS.

The following are the Ointments of the British Pharmacopœia, the formulas for which will be found under the names of the drugs from which they are prepared:—

	Proportion of active ingredients in the mass.
UNGUENTUM ACIDI BORICI	1 in 10.
UNGUENTUM ACIDI CARBOLICI	1 in 25.
UNGUENTUM ACIDI SALICYLICI	1 in 50.
UNGUENTUM ACONITINÆ	1 in 50.
UNGUENTUM AQUÆ ROSÆ (Rose Water)	about 1 in 2 $\frac{1}{2}$.
UNGUENTUM ATROPINÆ	1 in 50.
UNGUENTUM BELLADONNÆ (Liquid Extract)	about 1 in 2.
UNGUENTUM CANTHARIDIS	about 1 in 10.
UNGUENTUM CAPSICI	about 1 in 5.
UNGUENTUM CETACEI	about 1 in 5.
UNGUENTUM CHRYSAROBINI	1 in 25.
UNGUENTUM COCAINÆ	1 in 25.

	Proportion of active ingredients in the mass.
UNGUENTUM CONII	(Juice) 2 in 1.
UNGUENTUM CREOSOTI	1 in 10.
UNGUENTUM EUCALYPTI	1 in 10.
UNGUENTUM GALLE	1 in 5.
UNGUENTUM GALLE CUM OPIO	(Opium) about 1 in 13½.
UNGUENTUM GLYCERINI PLUMBI SUBACETATIS	1 in 6.
UNGUENTUM HAMAMELIDIS	(Liquid Extract) 1 in 10.
UNGUENTUM HYDRARGYRI	(Mercury) about 1 in 2.
UNGUENTUM HYDRARGYRI AMMONIATI	1 in 10.
UNGUENTUM HYDRARGYRI COMPOSITUM (Mercury)	1 in 5.
UNGUENTUM HYDRARGYRI IODIDI RUBRI	1 in 25.
UNGUENTUM HYDRARGYRI NITRATIS (Mercury)	1 in 15.
UNGUENTUM HYDRARGYRI NITRATIS DILUTUM	1 in 5.
UNGUENTUM HYDRARGYRI OLEATIS	1 in 4.
UNGUENTUM HYDRARGYRI OXIDI FLAVI	1 in 50.
UNGUENTUM HYDRARGYRI OXIDI RUBRI	1 in 10.
UNGUENTUM HYDRARGYRI SUBCHLORIDI	1 in 10.
UNGUENTUM IODI	(Iodine) 1 in 25.
UNGUENTUM IODOFORMI	1 in 10.
UNGUENTUM PARAFFINI	Hard 3, Soft 7, in 10.
UNGUENTUM PICIS LIQUIDÆ	5 in 7.
UNGUENTUM PLUMBI ACETATIS	1 in 25.
UNGUENTUM PLUMBI CARBONATIS	1 in 10.
UNGUENTUM PLUMBI IODIDI	1 in 10.
UNGUENTUM POTASSII IODIDI	1 in 10.
UNGUENTUM RESINÆ	1 in 3¾.
UNGUENTUM STAPHISAGRIÆ	about 1 in 5¾.
UNGUENTUM SULPHURIS	1 in 10.
UNGUENTUM SULPHURIS IODIDI	1 in 25.
UNGUENTUM VERATRINÆ	1 in 50.
UNGUENTUM ZINCI	about 1 in 6¾.
UNGUENTUM ZINCI OLEATI	1 in 2.

Ointments which are not official are enumerated in the Index.

Not Official.

URANIUM NITRATE.

A yellow crystalline salt soluble in Water. Has been recommended in the treatment of diabetes.—*B.M.J.* '95, ii. 467; '97, ii. 1044; *Pr.* lxi. 257.

Dose.—5 to 10 grains.

Not Official.

URETHANE.

$C_3H_7NO_2$, eq. 88.43.

The Ethylic Ester of Carbaminic Acid.

In colourless, prismatic crystals, with a peculiar cooling taste; free from odour. Melts at 48° to 50° C. Evolves Ammonia when boiled with Solution of Potash.

Solubility.—1 in 2 of Water; 1 in 1 of Alcohol (90 p.c.); 2 in 3 of Ether.

Medicinal Properties.—A pure hypnotic; has no anodyne properties.

REFERENCES.—*B.M.J.* '85, ii. 611; '86, i. 343, 354; '86, ii. 108, 468; *T.G.* '88, 340. A weak hypnotic and very uncertain.—*M.A.* '91, 4. In uræmic convulsions.—*M.A.* '95, 498. An antidote to Strychnine.—*B.M.J.* '86, ii. 176.

Dose.—15 to 30 grains.

Foreign Pharmacopœias.—Official in Russ. and Swiss; Mex., Uretano; not in the others.

SOMNAL.—Ethylated Chloral-urethan, $C_{17}H_{19}Cl_3O_3N$.

Hypnotic.—*L.* '89, ii. 1024; very uncertain.—*Y.B.T.* '95, 88; contra-indicated if any gastro-intestinal disturbance be present.—*L.* '95, i. 1024.

Dose.—30 grains.

UROTRÖPINE. See Formic Aldehyde.

UVÆ URSI FOLIA.

BEARBERRY LEAVES.

The dried leaves of *Arctostaphylos Uva-ursi*.

Contains a crystallisable glucoside, **Arbutin**, soluble in Water and Alcohol (90 p.c.).

Medicinal Properties.—Astringent and tonic; it has a disinfectant influence on the urinary tract and is valuable in inflammation of the bladder and urethra.

Official Preparation.—Infusum Uvæ Ursi.

Foreign Pharmacopœias.—Official in Austr., Belg., Dan., Dutch, Fr. (Busserole), Ger., Ital., Jap., Mex. (Gayaba del pais), Norw., Port. (Uva Ursina), Russ., Span. (Gayuba), Swed., Swiss and U.S.; not in Hung.

Description.—Yellowish-green, obovate or spathulate, coriaceous leaves, usually about three-quarters of an inch (eighteen millimetres) in length. They are entire and very shortly petiolate. The upper surface is glabrous, shining and reticulate, and the veinlets are depressed. The leaves have no definite odour but a very astringent taste.

Preparation.

INFUSUM UVÆ URSI. INFUSION OF BEARBERRY.

Bearberry Leaves, bruised, 1; Distilled Water, boiling, 20. Infuse in a covered vessel for fifteen minutes; strain. = (1 in 20).

Time reduced.

Dose.— $\frac{1}{2}$ to 1 fl. oz.

In the 1864 Pharmacopœia the leaves were not ordered to be bruised; when bruised, the infusion is stronger, but a large deposit forms from the strained fluid.

Incompatibles.—Iron salts, Lead salts, Silver Nitrate, vegetable alkaloids, Gelatin.

Foreign Pharmacopœias.—Official in Fr. (Tisane), 1 in 100; not in the others; Mex., has a **Solid Extract**; U.S. has a **solid** and a **Fluid Extract**.