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Preparations

USP 31: Alcohol in Dextrose Injection; Dehydrated Alcohol Injection; Rubbing Alcohol.

Proprietary Preparations (details are given in Part 3)

Austral: Microshield Antimicrobial Hand Gel; **Canad.:** Avagard D; Biobase; Dial; Duonal-E Mild; Instant Hand Sanitizer; One Step Hand Sanitizer; President's Choice Hand Sanitizer; Purell; **Fr.:** Curethyl; Optrex; Pharmadose alcohol; **Ger.:** AHD 2000; Amphisept E; Fugaten; Klosterfrau Franzbranntwein Menthol; Manusept HD; Sterillium Virugard; **Hung.:** Salletanol Df; **Indon.:** Handy Clean; **Malaysia:** QuickClean; **Philipp.:** AHD 2000; **Switz.:** Amphisept; **USA:** Alcare; Bodi Line Action; Gel-Stat; Kleen-Handz.

Multi-ingredient: **Austral:** Dermatech Liquid; Johnsons Clean & Clear Invisible Blemish Treatment; Johnsons Clean & Clear Oil Controlling Toner; Microshield Handrub; Microshield Tincture; **Austria:** Dodesept; Dodesept Gefarbt; Dodesept N; Skinsept; Skinsept mucosa; **Belg.:** Sabenyl; Solution Antiseptique Stella; **Canad.:** Avagard CHG; Biobase-G; Chase Kolik Gripe Water; Dilusol AHA; Dilusol; Duonal-E; Franzbranntwein; Green Antiseptic Mouthwash & Gargle; Mouthwash Antiseptic & Gargle; MRX; Sans-Acne; **Chile:** Abboderm; Acnoxyl Lotion Tonica; Alcole; Listerine; Listermint Con Fluor; Oralfresh Citrus; Oralfresh Clasico; Oralfresh Menta; **Cz.:** Promanum N; Skinsept mucosa; Softa-Man; **Fin.:** Oti-borin; Sormanol + Ethanol; **Fr.:** Alco-Aloe; Aniospray 29; Chlorspray; Parogencyl genévies fragilisées; **Ger.:** Aerodesin; Autoderm Extra; Bacillol; Bacillol AF; Betaseptic; Desderman N; Franzbranntwein mit Fichtenadelöl; Freka-Not; Freka-Sept 80; Hospidermin; Hospisept; Incidin; Incidin Spezial; Incidur Spray; Klosterfrau Franzbranntwein; Klosterfrau Franzbranntwein Latschenkiefer; Mucasept-A; Promanum N; Riwa Franzbranntwein; Skinsept G; Skinsept mucosa; Softa Man; Softasept N; Spitacid; **Gr.:** Faragel-Forte; **Hong Kong:** Listerine; Listerine Tartar Control; **Hung.:** Fructosol Ef; **India:** Daslin; Dettolin; **Indon.:** Allen; Benadryl CM; Berilifed; Chlorphem; Conicidin; Dactylin; Domeryl; Eksedryl Expectorant; Inadryl; Inadryl Plus; Koffex; Listerine; Listerine Coolmint; Neo Novapon; Nichodryl; OBH; Paradryl; **Israel:** Alcolsept; Oxy Clean Medicated; Saliso; Septadine; Spirit Salicyl; V-Tabur; **Ital.:** Bemonalcol; Citrodorex; Citromed 80 and 85; Citromed Chinirgico; Citrosil Alcolico Azzuro; Citrosil Alcolico Bruno; Citrosil Alcolico Incolore; Citrosil Strument; Clorexan Ferri; Eso Ferri Alcolico; Esoalcolico Incolore; Esoform Alcolico; Forbrand; Formedico; Incidin Spezial; Incidur Spray; Jodieci; Melsept Spray; Neomedi; Panseptil; Sekumatic; Simptotantacique; Softa Man; **Neth.:** Softa-Man; **Philipp.:** BSI Medicated Spray; Dermablend Clarifying; Listerine Coolmint; Listerine Original; Zilactin; Ziladent; **Port.:** Promanum; Softasept N; **S.Afr.:** Clearasil Medicated Facial Cleanser; Dry & Clear Medicated Skin Cleanser; Listerine Antiseptic; Oxipor VHC; Specific Nerve Pain Remedy; **Singapore:** Hexadane Handrub; Listerine; Listerine Cool Mint; Listerine Fresh Burst; Listerine Tartar Control; Tri-Cidal; **Spain:** Alcolhocl; Alcohol Benzalcol; Alcohol Cetilj; Alcohol Cetilji Cuve; Alcohol CL Benz; Alcohol Poteri; Alcohol Potenciano; Beta Alcanforado; Beta Romero; Embrocacion Gras; Farnalcol; Linimento Naion; Menalcol; Mercrotona; **Switz.:** Betaseptic; Desitur; Frekaderm; Promanum N; Sclerovein; Softasept N; **Thai.:** Hand Joy; **UK:** Brushtox; Clearasil Pore Cleansing Lotion; Medi-Wipe; Oxy Cleanser; Oxy Duo Pads; Spectrum; **USA:** Banadyne-3; Clearasil Double Clear; Clearasil Double Textured Pads; Lipmagik; Maximum Strength Anbesol; Orasol; Stri-Dex Pads; **Venez.:** Frixonil.

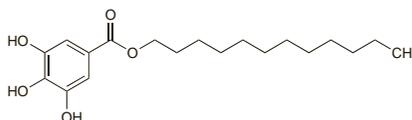
Alkyl Gallates

Galatos de alquilo.

Dodecyl Gallate

Dodecilo galatas; Dodecyle, gallate de; Dodecylgallat; Dodecylgallát; Dodecylis gallas; Dodecylgallataati; E312; Galato de dodecilo; Lauryl Gallate; Laurylum Gallicum. Dodecyl 3,4,5-trihydroxybenzoate.

$C_{19}H_{30}O_5 = 338.4$
CAS — 1766-52-5.



Pharmacopoeias. In *Eur.* (see p.vii).

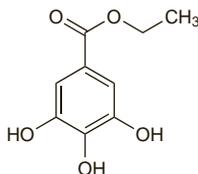
Ph. Eur. 6.2 (Dodecyl Gallate). A white or almost white crystalline powder. M.p. about 96°. Very slightly soluble or practically insoluble in water; freely soluble in alcohol; slightly soluble in dichloromethane. Store in nonmetallic containers. Protect from light.

Ethyl Gallate

Galato de etilo. Ethyl 3,4,5-trihydroxybenzoate.

$C_9H_{10}O_5 = 198.2$

CAS — 831-61-8.



Pharmacopoeias. In *Br.*

BP 2008 (Ethyl Gallate). A white to creamy-white, odourless or almost odourless, crystalline powder. Slightly soluble in water; freely soluble in alcohol and in ether; practically insoluble in arachis oil. Protect from light. Avoid contact with metals.

Octyl Gallate

E311; Galato de octilo; Octyl Gallate; Octyle, gallate d'; Octylis gallas; Oktilio galatas; Oktylgallat; Oktyl-gallát; Oktylygallaatti. Octyl 3,4,5-trihydroxybenzoate.

$C_{15}H_{22}O_5 = 282.3$

CAS — 1034-01-1.

Pharmacopoeias. In *Eur.* (see p.vii).

Ph. Eur. 6.2 (Octyl Gallate). A white or almost white crystalline powder. Practically insoluble in water and in dichloromethane; freely soluble in alcohol. Store in nonmetallic containers. Protect from light.

Propyl Gallate

E310; Galato de propilo; Propil-gallát; Propilo galatas; Propyle, gallate de; Propylgallat; Propyl-gallát; Propylis gallas; Propylu galusan; Propylum Gallicum; Propylgallaatti. Propyl 3,4,5-trihydroxybenzoate.

$C_{10}H_{12}O_5 = 212.2$

CAS — 121-79-9.

Pharmacopoeias. In *Eur.* (see p.vii). Also in *USNF*.

Ph. Eur. 6.2 (Propyl Gallate). A white or almost white, crystalline powder. Very slightly soluble in water; freely soluble in alcohol; dissolves in dilute solutions of alkali hydroxides. Protect from light.

USNF 26 (Propyl Gallate). A white crystalline powder with a slight characteristic odour. Slightly soluble in water; freely soluble in alcohol. Store in airtight containers. Avoid contact with metals. Protect from light.

Adverse Effects and Precautions

The alkyl gallates may cause contact sensitivity and skin reactions.

Effects on the blood. Methaemoglobinaemia associated with the antioxidants (butylated hydroxyanisole, butylated hydroxytoluene, and propyl gallate) used to preserve the oil in a soybean infant feed formula has been reported.¹ Propyl gallate was suspected of being the most likely cause because its chemical structure is similar to pyrogallol (p.1611), a methaemoglobinaemia inducer.

- Nitzan M, *et al.* Infantile methemoglobinemia caused by food additives. *Clin Toxicol* 1979; **15**: 273–80.

Uses

The alkyl esters of gallic acid (3,4,5-trihydroxybenzoic acid) have antioxidant properties and are used as preservatives in pharmaceuticals and cosmetics. Alkyl gallates are also used as antioxidants in foods and are useful in preventing deterioration and rancidity of fats and oils. They are used in concentrations of 0.001 to 0.1%.

To improve acceptability and efficacy, the alkyl gallates are frequently used with other antioxidants such as butylated hydroxyanisole or butylated hydroxytoluene and with sequestrants and synergists such as citric acid and zinc salts.

The alkyl gallates have also been reported to have limited antibacterial and antifungal activity.

Ambazone (BAN, rINN)

Ambatson; Ambazon; Ambazona; Ambazonum. 4-Amidinohydrozono[1,4-dien-3-one thiosemicarbazone monohydrate.

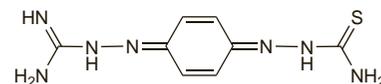
Амбазон

$C_8H_{11}N_7S_2H_2O = 255.3$

CAS — 539-21-9 (anhydrous ambazone); 6011-12-7 (ambazone monohydrate).

ATC — R02AA01.

ATC Vet — QR02AA01.



Profile

Ambazone is an antiseptic that is used in the form of lozenges for minor infections of the mouth and pharynx.

Preparations

Proprietary Preparations (details are given in Part 3)

Cz.: Faringosept; **Hung.:** Faringosept; **Pol.:** Faringosept; **Rus.:** Faringosept (Фарингосепт).

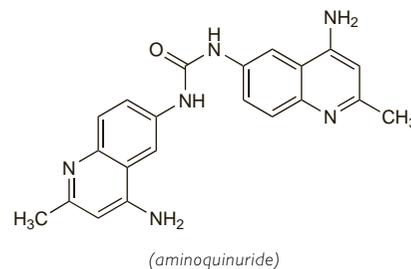
Aminoquinuride Hydrochloride (rINN)

Aminoquinuride, Chlorhydrate d'; Aminoquinuridi Hydrochloridum; Hydrochloruro de aminoquinuride. 1,3-Bis(4-amino-2-methyl-6-quinoly)urea dihydrochloride.

Аминохинурида Гидрохлорида

$C_{21}H_{20}N_6O_2 \cdot 2HCl = 445.3$

CAS — 3811-56-1 (aminoquinuride); 5424-37-3 (aminoquinuride hydrochloride).



Profile

Aminoquinuride hydrochloride is an antiseptic that has been used in topical preparations for the treatment of mouth and skin disorders.

Preparations

Proprietary Preparations (details are given in Part 3)

Multi-ingredient: **Austria:** Herviros; **Ger.:** Herviros.

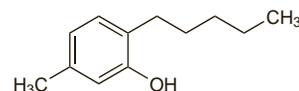
Amylmetacresol (BAN, rINN)

Amilmetacresol; Amilmetakrezol; Amylmétacrésol; Amylmetacresolum; Amylmetakresol; Amylmetakresoli. 6-Pentylm-cresol; 5-Methyl-2-pentylphenol.

Амилметакрезол

$C_{12}H_{18}O = 178.3$

CAS — 1300-94-3.



Pharmacopoeias. In *Br.*

BP 2008 (Amylmetacresol). A clear or almost clear liquid or a solid crystalline mass with a characteristic odour, colourless or slightly yellow when freshly prepared; it darkens on keeping. F.p. about 22°. Practically insoluble in water; soluble in alcohol, in ether, and in fixed and volatile oils. Protect from light.

Profile

Amylmetacresol is a phenolic antiseptic used chiefly as an ingredient of lozenges in the treatment of minor infections of the mouth and throat.

Preparations

Proprietary Preparations (details are given in Part 3)

UK: Antiseptic Throat Lozenges; Throaties Anti-Bacterial Pastilles.

Multi-ingredient: **Austral.:** Sore Throat Chewing Gum; Strepsils; Strepsils Plus; **Austria:** Coldangin; Neo-Angin; **Belg.:** Strepsils; Strepsils + Lidocaine; Strepsils Menthol; Strepsils Vit C; **Canad.:** Strepsils; Strepsils Cherry; **Cz.:** Neo-Angin; Strepsils; Strepsils Menthol a Eucalyptus; Strepsils Plus; Strepsils Vitamin C; **Denm.:** Strepsils; **Fin.:** Strepsils; Strepsils Menthol;