

Universal Decimal Classification —

English full edition —
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UDC 675 Leather industry

UDC 025.45:675

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Foreword

The English version of the Universal Decimal Classification (UDC) is being prepared and published as BS 1000 by the British Standards Institution (BSI) at the original joint request of the British Society for International Bibliography (BSIB) and the Association of Special Libraries and Information Bureaux (ASLIB), now amalgamated as Aslib. It has the approval of the Lake Placid Education Foundation, New York, proprietors of the Dewey Decimal Classification, from which the UDC derives. The English full edition of the UDC is authorized by the International Federation for Documentation (FID), PO Box 90402, 2509 LK The Hague, Netherlands.

This section is part of the English full edition. It should be used in conjunction with the Abridged English Edition, BS 1000A, which refers to many other subjects of interest not listed in this schedule, and provides a conspectus of the whole scheme, together with an introduction to its use. For further practical information about the principles, application and utilization of the scheme, users should refer to BS 1000C.

This edition of BS 1000[675], which supersedes the 1971 edition, includes modifications authorized in “Extensions and Corrections to the UDC” (FID publication no. 248) up to and including Series 11, No. 2, dated April 1982. Subsequent issues of “Extensions and Corrections to the UDC” should be consulted to keep the schedule up to date. British Standards related to this Part of BS 1000 are listed on the inside back cover.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 32, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Scope

Under 675 is classed information about the processing of animal skins and other coverings (such as shells, feathers) into finished materials such as leathers and furs; also the various types of raw and finished material, accessory materials used in processing, and scrap or waste materials and their processing. The manufacture of imitation leather is also included, under 675.92.

The production of goods from these finished materials is classed under 685.

Related subjects

- 621.85 Flexible drives. Flexible transmissions
- 637.6 Animal products other than those for food
- 639.38 Various products of fish and marine animals
- 645.1 Household furnishings and fittings
- 678 Industries based on macromolecular materials.
Rubber industry. Plastics industry
- 685 Saddlery. Beltmaking. Shoemaking.
Glovemaking.
Travel goods. Sports and games equipment
- 686.1 Bookbinding
- 687 Clothing industry. Beauty care
- 691.18 Materials of animal origin — Building

Auxiliary signs and subdivisions

Full information about the common and special auxiliary signs and subdivisions (often abbreviated to “common and special auxiliaries”) will be found in BS 1000A and BS 1000C.

Colon sign of relation. For the classification of information for the public, as in abstracts and bibliographies, maximum use of colon combination rather than of common or special auxiliaries is recommended. The use of the colon sign of relation is preferable for multiple entry systems, as it will help prevent the concealment of information. This usually results in longer notation, however, and for information for more restricted use, the application of auxiliaries, where available, may be simpler and more convenient provided that there is an adequate alphabetical subject index.

Common auxiliaries. The common auxiliaries of language = . . . , form (0 . . .), place (1/9), race and nationality (= . . .), time “. . . ”, point of view .00 . . . , materials –03 . . . and persons –05 . . . are applicable throughout the UDC. However, they should be used mainly to express concepts not otherwise provided for in the schedules.

Special auxiliaries. The –1/ –8 special auxiliaries listed under 62 and the –9 special auxiliaries listed under 66 are applicable throughout the schedule.

The .0 special auxiliaries listed under 675 are applicable to 675.1/.8. They may be detached and applied to any appropriate principal division where the result forms a meaningful combination, e.g.

- | | |
|---------------|---|
| 675.262 | Morocco |
| 675.024.3 | Vegetable tanning |
| 675.262.024.3 | Vegetable tanning processes for morocco |

A series of .0 special auxiliaries is given under 675.92; these are applicable only to subdivisions of that number.

Typographic presentation

Small type is used for cancelled numbers and text. The arrow → means either “see” or “see also” according to the context. The symbol ≅ “subdivide as” means that the number preceding it may be subdivided in the same way as, and with meanings analogous to the subdivisions of, the number which follows it.

SCHEDULE

675 Leather industry (Including fur and imitation leather)

Special auxiliary subdivisions

675-1/-9	CHARACTERISTICS AND DETAILS OF MACHINES, EQUIPMENT, PLANT, PROCESSES AND PRODUCTS	675.014.2 (cont'd)	675.014.2:546.17 Nitrogen content of hide substances and its determination
	675-1/-9 $\cong$ 62-1/-9, e.g.		:547.96 Determination of proteins (collagen etc.) in hide substances
	675-2 Fixed and movable components of machines, apparatus and equipment	.4	Tanning substances
	-4 State, condition, form of materials, surfaces, objects and products		<i>Further particulars may be denoted by colon combination, e.g.</i>
	-5 Operation and control of machines and processes		675.014.4:546 Inorganic tannin content
	-7 Servicing, maintenance, protection of machines, apparatus, plant and installations	.45	:547 Organic tannin content
	-8 Motive force or motive power characteristics of machines and apparatus	.47	Action of chemicals on collagen (protein) fibres
	-9 Process, plant operating characteristics and conditions	.6	→542.938 Hydrolysis
	675-9 $\cong$ 66-9		665.931.7 Gelatin
	-932.2 Continuous processes		Combined tannin, irreversible tannin content
	-942 Parallel processes		Fibre basis, properties and determination
	-947.2 Rapid processes		<i>Further particulars may be denoted by colon combination, e.g.</i>
	<i>The following .0 special auxiliaries are applicable to 675.1/.8. A series of .0 special auxiliaries with different meanings have been developed under 675.92</i>	.63	675.014.6:541.132.3 Hydrogen ion concentration (pH value)
		.64	:543.241 Alkalimetry.
		.66	Acidimetry
675.01	THEORY OF LEATHER AND FUR PRODUCTION. PROPERTIES. DEFECTS. TESTS	.015	Minerals
.011/.013	Process design, control, plant and services		Organic substances
	675.011/.013 $\cong$ 66.011/.013	.2	Water soluble. Combined tannin, irreversible tannin content
.014	Chemical composition, properties and analysis (of hides, skins, leather, fur)	.22	Structure of hides, skins, leathers, fur and their constituent collagen (protein) fibres
	<i>Further particulars may be denoted by colon combination with the subdivisions of 54, e.g.</i>	.23	Structure (macrostructure) of hides, skins, leather, fur
	675.014:541 Physico-chemical properties	.232	Epidermis
	:541.132.3 Hydrogen ion concentration (pH value)	.236	Derma
	:543 Analytical methods	.24	Papillary layer. Grain layer
	:543.812 Moisture or water content	.26	Reticular layer
	:543.85 Determination of fat content etc.	.4	Flesh
	:546 Inorganic constituents		Hair
	:547 Organic constituents		Chemical composition, properties and analysis of collagen (protein) fibres
	<i>Chemical composition etc. of auxiliary materials may be denoted by adding the subdivisions of 675.04</i>	.453	<i>Further particulars may be denoted by colon combination, e.g.</i>
.2	Hide substances	.454	675.015.4:543 Analytical methods
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.455	:546 Inorganic constituents
		.457	:547 Organic constituents
		.6	:547.466 Amino acids
			:547.917 Carbohydrates
			Splitting. Decay
			Swelling
			Dehydration
			Scalding
			Molecular and microstructural properties of collagen (protein) fibres
			→537.533.35 Electron microscopy

675.015.6 (cont'd)	539.26 Characteristics and structure revealed by X-rays. X-ray examination (radiography)	675.017.3 (cont'd)	675.017.3:531.754 Measurement of density, relative density (specific gravity)
	681.723 Microscopes		:620.113 Sampling. Samples
.62	Molecular properties and structure of fibres <i>Further particulars may be denoted by colon combination, e.g.</i>	.36	:620.192.52 Shrinkage
	675.015.62:541.24 Molecular weight	.4	Organoleptic test methods
.63	Properties and structure of molecules contained in fibres <i>Further particulars may be denoted by colon combination, e.g.</i>		Strength. Resistance to mechanical influences
	675.015.63:541.24 Molecular weight		<i>Further particulars may be denoted by colon combination with the subdivisions of 53 or 620.17, e.g.</i>
.64	Microstructure and microstructural properties of fibres		675.017.4:620.172 Determination of tensile strength
.016	Properties and investigation of finishes and auxiliary materials in leathers and fur <i>For specific auxiliary materials →, 675.04</i> <i>Further particulars may be denoted by colon combination, e.g.</i>	.42	:620.174 Determination of bending strength
	675.016:531.717 Measurement of thickness, flatness etc.	.43	Stiffness
	:536.485 Resistance to freezing		→539.32 Elasticity moduli
	:536.495 Heat resistance	.44	Tearing strength
	:539.61 Adhesion properties	.46	Bond strength of hairs with skin layer
	<i>or by other .0 special auxiliaries, e.g.</i>	.462	Tests of the strength of external bonding
	675.016.019 Defects, faults, damage in finishes	.463	Piercing (needle or screw)
	.019.391 Ageing	.465	Tearing one sample from another
.2	Colour properties of finishes. Colour fastness etc. <i>Further particulars may be denoted by colon combination, e.g.</i>	.468	Cutting the sample with thread
	675.016.2:535.6 Colours and their properties	.47	Strength of furriery stitch
	:535.68 Colour fastness to various influences (heat, light, chemicals, water etc.)	.5	Sturdiness test. Brittle grain test. Break test
.017	Physical and mechanical properties of leather, their determination and testing <i>For test methods → 620.1</i>	.55	Optical, thermal, electrical and other properties
.1	Topography of leather		Optical properties
.12	Side		<i>Further particulars may be denoted by colon combination with the subdivisions of 535, e.g.</i>
.13	Butt. Bend		675.017.55:535.361.2 Gloss
.133	Rump		:535.6 Colour
.134	Back		:535.68 Colour fastness
.14	Belly. Shoulder	.56	Thermal properties
.142	Belly		<i>Further particulars may be denoted by colon combination with the subdivisions of 536, e.g.</i>
.144	Shoulder		675.017.56:536.21 Thermal conductivity
.15	Horse front. Horse butt. Shell		:536.495 Heat resistance
.152	Horse front	.562	Shrinkage temperature
.153	Horse butt. Shell	.564	Hydrothermal resistance
.16	Head. Cheek. Shank	.57	Electrical and magnetic properties
.17	Offal hide (low quality)		<i>Further particulars may be denoted by colon combination with the subdivisions of 537</i>
.2	Dimensional properties and classification not determined by production. Size. Mass	.6	Properties with respect to fluids
.3	Parameters determined during the production process. Sampling. Test methods <i>Further particulars may be denoted by colon combination, e.g.</i>		<i>Further particulars may be denoted by colon combination, e.g.</i>
		.62	675.017.6:535.68 Colour fastness to fluids
			:539.217 Porosity. Permeability
			:620.193.4 Resistance to liquid chemical substances
			:620.193.5 Resistance to hot gases, vapours
			:620.193.96 Effect of storage conditions
			Properties (including impermeability) with respect to gases, air, steam and other vapours
			→620.193.29 Permeability or impermeability to air.
			Gas-tightness

675.017.622	Air permeability. Gas permeability	675.02 (cont'd)	<i>For tanning agents and auxiliaries</i>
.623	Steam permeability		→ 675.04
.624	Fastness, impermeability to perspiration		<i>For processes for imitation leather</i>
.63	Properties (including impermeability) with respect to water and other liquids		→ 675.92.02
	<i>Liquids may be denoted by colon combination with the subdivisions of 546 or 547</i>	.021	<i>[cancelled]</i> → 675.023.1
	→620.193.19 Mechanical action as affected by permeability	.022	<i>[cancelled]</i> use 675.041/.042 and :66.0...
		.023	Treatment of raw skins and fur (before tanning)
.8	Exploitation, serviceability and suitability properties	.1	<i>For mechanical treatment (especially after tanning)</i> → 675.025
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.12	Primary treatment. Flaying. Curing.
	675.017.8:539.3 Elastic deformation (elasticity moduli, properties)	.14	Sterilization. Sorting
	:539.53 Hardness. Softness	.15	Flaying. Trimming
.82	Hide, skin thickness	.17	Salting. Brining
.83	Hair covering. Fur (pile) height	.18	Sterilization. Antisepticization
.84	Elasticity. Springiness. "Give"	.2	Sorting
.85	Form stability. Creasing, crumpling properties	.21	Production lot
.86	Textural properties. Felting etc.	.22	Washing. Soaking. Deoiling
.87	Surface, finish properties. Soilure	.23	<i>[cancelled]</i> → 675.023.5/.6
.88	Wear resistance in general	.24	<i>[cancelled]</i> → 675.023.333
.99	Other exploitation properties	.25	Washing
.019	Defects, faults, damage in raw and finished leather and fur, their detection and remedy	.3	Soaking
.1	Visible defects (surface defects)	.32	Deoiling
	675.019.1 ≅ 620.191	.322	Liming. Unhairing. Fleshing. Scudding
.2	Internal defects (consistency, shrinkage etc.)	.324	<i>For surface improvement</i> → 675.025.3
	675.019.2 ≅ 620.192	.33	Liming
.3	Defects, faults, damage due to ambient influences	.332	Liming without removal of hair
	675.019.3 ≅ 620.193, e.g.	.324	Liming with removal of hair
	675.019.32 Atmospheric action	.33	Unhairing (chemical loosening of hair)
	.38 Biological action	.332	Paste
	.381 Attack by bacteria. Pock-marks etc.	.333	Sweating
	.382 Attack by fungi. Mange. Ringworm, rotton stain etc.	.334	Scalding
	.386 Attack by lower land animals (other than insects). Damage by helminths. Microfiliariasis etc.	.335	Unhairing by enzymatic process
	.387 Attack by insects. Fistula. Ticks. Dermestidae. Moth-eaten, hairworm-eaten etc.	.336	Unhairing by oxidation process
.388	Attack by higher animals, e.g. rats	.34	Fleshing
.39	Defects, faults, damage due to ageing, storage and other ambient influences	.35	Mechanical unhairing. Removal of hair
.5	Detection of defects, faults, damage	.36	Scudding
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.37	Plucking the bristles
	675.019.5:543 Chemical analysis	.4	Cutting or dressing hair on raw skin, raw fur
	:576.7 Histology	.5	Deliming
	:579 Microbiology	.6	<i>Materials may be denoted by colon combination, e.g.</i>
.7	Removal of defects etc.	.7	675.023.5:54-32 Deliming with acids
675.02	WORKING AND PRODUCTION METHODS, PROCESSES AND TREATMENT FOR LEATHER AND FUR	.72	:54-38 Deliming with salts
		.74	Bating
		.76	Pickling. Salting. Drenching
		.024	Pickling
		.1/.24	Salting
		.3	Drenching
		.32	Tanning and tawing processes
		.33	<i>[cancelled]</i> → 675.023, 675.024.3, 675.025
		.34	Vegetable tanning
		.36	→ 675.041 Natural vegetable tanning agents
		.362	Tanning in layers, in lay-away pits
		.364	Tanning in handlers and in colouring pits
			Tanning in handlers and drums
			Drum tanning
			Tanning with strengthening tan liquors
			Tanning with full change of tan liquors.
			Phase tanning

675.024.37	Tanning in organic solvents	675.025.3	Surface improvement (smoothness, grain etc.)
.39	Other methods of vegetable tanning		→675.026 Finishing skins, leather and furs
.4	Mineral tanning. Tanning with organic substances, synthetic substances. Oil tanning	.34	Smoothing. Pressing. Ironing. Embossing. Boarding (graining)
	→675.042 Mineral and synthetic tanning agents	.35	Buffing (grain removal)
.41/.42	<i>[cancelled, superfluous]</i>	.36	Glazing. Brushing
.43	Chrome tanning	.38	Whitening
.431	One-bath chrome tanning	.4	<i>[cancelled]</i> → 675.025.22/.24
.432	Two-bath chrome tanning	.5	Splitting. Measuring and marking
.434	Original method	.52	Splitting of skins and hides
.435	Chrome-emulsion tanning	.55	Measuring (area, thickness) and marking
.436	Dry chrome tanning	.6	Cutting (rounding of hides). Clicking (furs). Perforating. Punching
.437	Chrome tanning without pickling		Finishing of skins, leather, fur
.438	Chroming	.026	Dyeing or staining (including preparation for dyeing)
.44	Iron tanning	.1	→675.046.1 Colorants. Bleaching agents
.45	<i>[cancelled]</i> → 675.024.44	.11	Preparation for dyeing
.46	Tanning with alums, with silicon, zirconium, titanium compounds	.112	Neutralization
.462	Alum tanning. Tanning with different alums		→66.094.8 Neutralization. Acid removal. Base removal
.464	Silicon tanning	.116	Bleaching
.465	Zirconium tanning	.118	Mordant impregnation
.466	Titanium tanning	.13	Dip dyeing (in vats, paddles, drums)
.47	Tanning with organic substances, synthetic substances	.14	Brush dyeing
.472	Tanning with organic substances. Formaldehyde tanning etc.	.15	Stencil dyeing
.474	Tanning with synthetic substances (synthetic tanning)	.16	Dyeing with reserved hairs
.48	Oil tanning	.17	Aerographic dyeing
.49	Tanning with mixtures, e.g. tannin and chemical admixtures	.2	Impregnation. Filling. Curryng. Stuffing. Oiling. Drying. Conditioning
.5	Electrical tanning		<i>For fillers, oils, waxes etc.</i>
.6	Partial tanning. Tanning both surfaces of the hide by different methods	.22	→ 675.043/.046
.7	Mixed or combined tanning methods		Filling
.72	Vegetable tanning combined with other tanning methods		<i>Materials may be denoted by colon combination with the subdivisions of 546 or 678.6</i>
.73	Chrome tanning combined with other tanning methods	.23	Currying. Stuffing. Oiling. Grossing
.8/.87	<i>[cancelled]</i> use 675.024-914.7, 675.024-947, 675.024-982/-987	.232	With weltd oil
.9	Retanning	.233	Fat liquoring
.025	Mechanical treatment and processing of skins, leather and fur (especially after tanning)	.235	By dipping
	675.025 ≅ 675.055 for details not given here	.237	By smearing
	<i>For treatment of raw skins and fur (before tanning) → 675.023</i>	.24	Laying-away
.1	General and preliminary treatment. Samming. Shaving etc.	.26	Drying. Airing-off
.16	Samming (wringing)	.263	Airing-off
.18	Shaving (for even thickness)	.265	Main drying
.2	Body texture improvement	.266	Hanging of hides, e.g. pole drying, or in racked state (on movable hangers, pasting)
.22	Setting-out (crease and mark removal)	.267	Drying methods
.24	Staking (stretching and softening to prevent fibre cohesion)		<i>Further particulars may be denoted by colon combination with the subdivisions of 66.047</i>
.26	Rolling	.27	Conditioning
.27	Beating. Kicking	.272	Conditioning by absorbing the moisture from liquids, e.g. with wet peelings, by dripping
		.274	Conditioning by atmospheric moistening
		.3	Coating. Waxing. Grain finishing. Colour finishing. Final finishing
			<i>For materials → 675.046</i>
		.31	<i>[cancelled, superfluous]</i>
		.33	Waxing. Priming. Racking
		.34	Corrected grain finishing

675.026.35	Artificial graining and pebbling	675.032.2	Tiger skins
.36	Double colour finishing	.3	Bear skins
.37	Final finishing. Seasoning. Glazing.	.4	Wolf skins
	Polishing	.5	Deer skins. Elk skins. Moose skins. Reindeer skins
.38	Coating methods		Buffalo hides. Bison hides
	→667.644 Coating application technique	.6	Elephant hides. Hippopotamus hides.
.383	Spraying	.7	Rhinoceros hides and similar hides
.384	Smearing	.033	Skins of small wild animals
.385	Curtain finishing	.1	Marten skins. Sable skins
.388	Combined methods	.2	Mink skins
.4	Cutting-out	.3	Fox skins. Arctic fox skins
.6	Stacking	.4	Stone marten skins. Polecat skins
.028	Special processes or treatments (other than those given above)	.5	Lynx skins
.2	Lustring	.6	Badger skins
.4	Finishing of hair pile of fur skins	.7	Otter skins
.7	Finishing of linings, backings etc. (e.g. for furs)	.9	Skins of other small wild animals
		.92	Squirrel skins
675.03	RAW SKINS, HIDES, PELTS ACCORDING TO ORIGIN	.93	Ermine skins
	→636/639 Animal breeding. Animal produce. Hunting. Fishing	.94	Kolinsky (Siberian mink skins)
	675.06 Finished leathers and furs according to origin	.95	Suslik skins. Marmot skins. Mole skins
		.96	Ondatra skins. Coypu skins
.031	Skins, hides of domestic animals and allied wild species	.034	Reptile skins
	<i>Specific animals may be denoted by colon combination with the subdivisions of 636 or 639.1</i>	.2	Crocodile skins
.1	Cattle hide. Cow hide etc.	.4	Snake skins
	<i>Specific breeds may be denoted by colon combination with the subdivisions of 636.22/.28</i>	.035	Fish skins. Skins of marine mammals
.11	Cow hide	.2	Shark skins
.113	Calf	.3	Other fish skins
.2	Sheepskin		<i>Specific fish may be denoted by colon combination with the subdivisions of 639.2</i>
	<i>Specific breeds may be denoted by colon combination with the subdivisions of 636.32/.38</i>	.4	Whale skins
.3	Goatskin	.5	Dolphin skins. Porpoise skins. Narwhal skins
	<i>Specific breeds may be denoted by colon combination with the subdivisions of 636.39</i>	.6	Sea-cow skins (manatee, dugong skins)
.4	Pigskin	.7	Sealion skins. Seal skins. Walrus skins
	<i>Specific breeds may be denoted by colon combination with the subdivisions of 636.4</i>	.74	Fur-seal skins
.5	Skins, hides from horses, asses and other equines	.9	Skins of other marine mammals
	<i>Specific breeds may be denoted by colon combination with the subdivisions of 636.1</i>	.036	Bird skins
.6	Camel skins, hides		<i>Specific birds may be denoted by colon combination with the subdivisions of 636.5 or 639.2</i>
.8	Skins of small domestic animals and allied wild species	.1	Swan skins
.81	Hare skins. Rabbit skins	.2	Loon skins. Diver skins etc.
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.3	Owl skins
	675.031.81:636.92 Domestic rabbit skins	.4	Goose skins
	:639.112.1 Wild rabbit skins	.7	Skins of birds with ornamental plumage.
	:639.112.2 Hare skins		Ostrich skins etc.
.82	Cat skins. Wild cat skins	.038	[cancelled] → 675.08, 675.8
.83	Dog skins. Dingo skins etc.	.039	Bare skins (hairless skins)
.032	Skins of large wild animals	675.04	TANNING AND AUXILIARY MATERIALS USED IN LEATHER AND FUR PRODUCTION
.1	Lion skins	.041	Natural vegetable tanning agents (leaves, bark, wood, roots)
			<i>For chemical properties of tanning substances → 675.014.4</i>
			<i>For vegetable tanning → 675.024.3</i>
			<i>Further particulars may be denoted by colon combination, e.g.</i>
			675.041:633.87 Plants yielding tanning
			:66.047 Drying
			:66.061.3 Extraction

675.042	Mineral and synthetic tanning agents <i>For chemical properties of tanning substances → 675.014.4</i> <i>For mineral, synthetic tanning → 675.024.4</i> <i>Further particulars may be denoted by colon combination, e.g.</i> 675.042:546 Mineral (inorganic) tanning agents :547 Synthetic organic tanning agents :66.046.5 Melting of tanning agents :66.094.524.5 Sulphonation :66.094.8 Neutralization of tanning agents :66.095.3 Condensation of tanning agents :66.099.2 Granulation of tanning agents	675.043.84 (cont'd)	675.043.84:678.6 Synthetic polycondensates, resins etc. :678.7 Synthetic polymerization products. Synthetic rubbers
.043	Chemical auxiliaries	.85	Solvents. Diluents →66.061 Solution, extraction and solvents 66.063 Mixing of liquids. Dilution. Homogenization
.2	Water →628.1.03 Types of water. Nature, state and properties	.044	Processed mineral and vegetable fats. Degras (moellen) Oxidized fats. Degras Natural degreas (fat from chamois) Synthetic degreas (sod oil) [cancelled] → 675.044.23 Sulphonated fats and oils Saponified fats and oils →661.187 Soap industry
.3	Acids. Oxides. Bases. Salts <i>Specific compounds may be denoted by colon combination with the subdivisions of 546 or 547</i>	.6	Polymerized oils
.32	Acids	.7	Fat components. Fatty acids
.33	Oxides	.8	Hydrogenation products of liquid fats
.34	Bases	.045	Oils. Fats. Greases. Leather oils (mixtures of fats and oils)
.35	Salts	.2	Mineral oils →665.7 Products of the mineral oil industry. Mineral oils and similar products
.36	Peroxides	.3	Animal and vegetable fats and oils
.4	Surface-active agents. Plasticizers	.32	Animal fats and oils →665.2 Oils, fats and waxes of animal origin
.42	Surface-active agents <i>Specific agents may be denoted by colon combination with the subdivisions of 661.185</i>	.33	Vegetable fats and oils →665.3 Vegetable oils, fats, waxes and phosphatides
.44	Plasticizers <i>Further particulars may be denoted by colon combination with the subdivisions of 577.15</i>	.36	Leather oils (mixtures of fats and oils)
.6	Protein substances →665.939.2 Proteins <i>Further particulars may be denoted by colon combination with the subdivisions of 547.96</i>	.4	Synthetic oils and greases →665.76 Lubricating oils. Greases etc. 665.77 Solid and semi-solid products — Mineral oils
.7	Carbohydrates <i>For monosaccharides and polysaccharides → 547.455/458</i> <i>For sugar, starch in food industry → 664.11.2</i>	.5	[cancelled] use 675.045:665.382
.8	Macromolecular materials (polymers). Other chemicals (irrespective of function)	.6	[cancelled] use 675.045.32:665.238
.82	Natural polymers <i>Further particulars may be denoted by colon combination, e.g.</i> 675.043.82:665.94 Gums. Resins :678.4 Natural rubbers	.046	Finishing materials. Colorants. Waxes. Coating materials →675.026 Finishing of skins, leather, fur
.83	Pigments <i>For colour industries → 667</i>	.1	Colorants. Bleaching agents <i>Further particulars may be denoted by colon combination with the subdivisions of 546, 547 or 667</i>
.84	Synthetic polymers <i>Further particulars may be denoted by colon combination, e.g.</i>	.12	Dyes. Mordants →667.2 Dyestuffs industry. Manufacture and use of dyestuffs
		.14	Pigments. Paint pigments →667.622 Colorants. Pigments. Dyes — Paints
		.18	Ancillary ingredients. Solvents. Diluents. Thinners etc.
		.3	Waxes
		.32	Animal waxes <i>Further particulars may be denoted by colon combination with the subdivisions of 665.23, e.g.</i> 675.046.32:665.231 Beeswax

675.046.33	Vegetable waxes <i>Further particulars may be denoted by colon combination with the subdivisions of 665.36</i>	675.053.24	Paddles
		.26	Drums. Worm drums
.34	Synthetic waxes. Wax substitutes →665.77 Solid and semi-solid products — Mineral oils	.3	Unhairing equipment. Fleshing equipment. Scudding equipment
.8	Enamel. Other coatings	.31	Tools and appliances. Knives etc.
.82	Natural polymer coatings, e.g. casein	.32	Painting equipment (for lime paste etc.)
.84	Synthetic polymer coatings, e.g. acrylic	.34	Fleshing machines. Disk knives, band knives etc.
.86	Mixed coatings	.35	Unhairing machines
.87	Varnishes	.36	Scudding machines
		.37	Bristle-plucking machines
675.05	MACHINES AND EQUIPMENT FOR HIDE AND SKIN PROCESSING, FOR LEATHER AND FUR PRODUCTION	.4	Machines and appliances for cutting hair on hides, skins and raw fur
.052	Equipment for production of tanning agents	.42	On raw hides, skins
.1	Equipment for production of vegetable tanning agents <i>Further particulars may be denoted by colon combination, e.g.</i> 675.052.1:621.926 Crushing equipment. Grinding equipment :66.047 Industrial drying equipment :66.048 Distillation equipment :66.063.2 Diffusers	.44	On raw fur
.2	Equipment for production of synthetic tanning agents <i>Further particulars may be denoted by colon combination, e.g.</i> 675.052.2:66.023 Reaction vessels :66.047 Industrial drying equipment :66.048 Distillation equipment	.054	Tanning equipment. Tawing equipment <i>For tanning vats, drums etc. → 675.053.2</i>
.26	Granulating equipment	.3	Tanning pits. Layers. Handlers
.053	Equipment for treatment of raw skin and fur (before tanning)	.32	Layers. Lay-away pits
.1	Equipment for primary treatment and processing	.33	Handlers
.12	Flaying equipment	.5	Electrical tanning equipment <i>Electrical details may be denoted by colon combination with the subdivisions of 621.3</i>
.13	Machines for dung removal. Machines for cleaning and other operations before curing	.055	Machines and equipment for mechanical treatment of skins, leather and fur (especially after tanning)
.14	Curing devices and assemblies	.1	Machines and appliances for general and preliminary treatment. Samming machines. Shaving machines etc.
.15	Sterilization equipment	.13	Unhairing machines
.17	Sorting equipment. Stamping equipment. Weighing equipment	.16	Samming equipment (wringing equipment)
.2	Washing equipment. Soaking equipment. Steeping equipment. Drumming equipment <i>Processes may be distinguished by the .02 special auxiliaries listed under 675, e.g.</i> 675.053.2.023.32 Washing equipment for liming .023.6 Washing equipment for bating .024.3 Washing equipment for vegetable tanning .026.1 Washing equipment for dip dyeing .026.233 Washing equipment for fat liquoring	.163	Presses
		.165	Samming machines
.22	Vats	.167	Centrifugal machines
.23	Pits →675.054.3 Tanning pits	.18	Shaving machines
		.2	Equipment for improving body texture
		.22	Setting-out machines
		.224	Drum machines
		.226	Shaft machines
		.23	[cancelled] → 675.055.18
		.24	Staking machines. Stakers
		.26	Rollers
		.27	Kicking equipment. Beating machines
		.272	Kicking equipment
		.276	Beating machines
		.3	Machines and equipment for surface improvement
		.32/.33	[cancelled] → 675.055.26/.27
		.34	Soothing machines (for furs). Ironing equipment. Embossing equipment
		.343	Hydraulic ironing and embossing machines
		.344	Roller embossing machines
		.345	Pebbling machines
		.35	Buffing machines
		.36	Glazing machines. Brushing machines
		.362	Glazing machines
		.364	Brushing machines
		.37	[cancelled] → 675.055.34
		.38	[cancelled] → 675.055.26
		.4/.46	[cancelled] → 675.055.24
		.48	[cancelled] → 675.056.26