



Appendix II: Substance Functional Use Codes

Substance Function Codes	Title	Description
U001	Abrasives	Substances used to wear down or polish surfaces by rubbing against the surface.
U002	Adhesives and sealant substances	Substances used to promote bonding between other substances, promote adhesion of surfaces, or prevent seepage of moisture or air.
U003	Adsorbents and absorbents	Substances used to retain other substances by accumulation on their surface or by assimilation.
U004	Agricultural substances (non-pesticidal)	Substances used to increase the productivity and quality of farm crops.
U005	Anti-adhesive agents	Substances used to prevent bonding between other substances by discouraging surface attachment.
U006	Bleaching agents	Substances used to lighten or whiten a substrate through chemical reaction, usually an oxidative process which degrades the colour system.
U007	Corrosion inhibitors and antiscaling agents	Substances used to prevent or retard corrosion or the formation of scale.
U008	Dyes	Substances used to impart colour to other materials or mixtures by penetrating into the surface of the substrate.
U009	Fillers	Substances used to provide bulk, increase strength, increase hardness, or improve resistance to impact.
U010	Finishing agents	Substances used to impart such functions as softening, static-proofing, wrinkle resistance, and water repellence.
U011	Flame retardants	Substances used on the surface of or incorporated into combustible materials to reduce or eliminate their tendency to ignite when exposed to heat or a flame.
U012	Fuels and fuel additives	Substances used to create mechanical or thermal energy through chemical reactions, or which are added to a fuel for the purpose of controlling the rate of reaction or limiting the production of undesirable combustion products, or which provide other benefits such as corrosion inhibition, lubrication, or detergency.
U013	Functional fluids (closed systems)	Liquid or gaseous substances used for one or more operational properties in a closed system. This code does not include fluids used as lubricants.
U014	Functional fluids (open systems)	Liquid or gaseous substances used for one or more operational properties in an open system.
U015	Intermediates	Substances consumed in a reaction to produce other substances for commercial advantage.
U016	Ion exchange agents	Substances that are used to selectively remove targeted ions from a solution. This code also includes aluminosilicate zeolites.
U017	Lubricants and lubricant additives	Substances used to reduce friction, heat, or wear between moving parts or adjacent solid surfaces, or that enhance the lubricity of other substances.
U018	Odour agents	Substances used to control odours, remove odours, mask odours, or impart odours.
U019	Oxidizing or reducing agents	Substances used to alter the valence state of another substance by donating or accepting electrons or by the addition or removal of hydrogen to a substance.
U020	Photosensitive substances	Substances used for their ability to alter their physical or chemical structure through absorption of light, resulting in the emission of light, dissociation, discoloration, or other chemical reaction.
U021	Pigments	Substances used to impart colour to other materials or mixtures by attaching themselves to the surface of the substrate through binding or adhesion.
U022	Plasticizers	Substances used in plastics, cement, concrete, wallboard, clay bodies, or other materials to increase their plasticity or fluidity.
U023	Plating agents and surface treating agents	Substances applied to metal, plastic, or other surfaces to alter physical or chemical properties of the surface.
U024	Process regulators	Substances used to change the rate of a reaction, start or stop the reaction, or otherwise influence the course of the reaction.

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U025	Processing aids, specific to petroleum production	Substances added to water, oil, or synthetic drilling muds or other petroleum production fluids to control foaming, corrosion, alkalinity and pH, microbiological growth or hydrate formation, or to improve the operation of processing equipment during the production of oil, gas, and other products or mixtures from beneath the earth's surface.
U026	Processing aids, not otherwise covered in this table	Substances used in applications other than the production of oil, gas, or geothermal energy to control foaming, corrosion, or alkalinity and pH, or to improve the operation of processing equipment.
U027	Propellants and blowing agents	Substances used to dissolve or suspend other substances and either to expel those substances from a container in the form of an aerosol or to impart a cellular structure to plastics, rubber, or thermo set resins.
U028	Solids separation agents	Substances used to promote the separation of suspended solids from a liquid.
U029	Solvents (for cleaning or degreasing)	Substances used to dissolve oils, greases and similar materials from textiles, glassware, metal surfaces, and other articles.
U030	Solvents (which become part of formulation or mixture)	Substances used to dissolve another substance to form a uniformly dispersed solution at the molecular level.
U031	Surface active agents	Substances used to modify surface tension when dissolved in water or water solutions, or reduce interfacial tension between two liquids or between a liquid and a solid or between liquid and air.
U032	Viscosity adjustors	Substances used to alter the viscosity of another substance.
U033	Laboratory substances	Substances used in a laboratory for chemical analysis, chemical synthesis, extracting and purifying other chemicals, dissolving other substances, and similar activities.
U034	Paint additives and coating additives not otherwise covered in this table	Substances used in a paint or coating formulation to enhance properties such as water repellence, increased gloss, improved fade resistance, ease of application or foam prevention.
U061	Pest control substances	Substances used as active ingredients or formulants in products, mixtures or manufactured items used for directly or indirectly controlling, destroying, attracting or repelling a pest or for mitigating or preventing its injurious, noxious or troublesome effects.
U999	Other (specify)	Substances with a function not otherwise described in this table. A written description of the substance function must be provided when using this code.