

Aluminum - sources of human exposure

TABLE 7. Summary of uses of aluminium and its compounds - pharmaceuticals, food additives, cosmetics and other household products^a

| Compound ^b | Common Uses ^c |
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| Acetylglycerhetinic acid, aluminium salt | Antiulcerative |
| Aluminium | Aluminium foil; colour ingredient: topical drugs, food packaging |
| Aluminium acetate | Astringent; antiseptic; in food packaging |
| Aluminium ammonium sulphate (anhydrous and dodecahydrate) | Astringent; food additive |
| Aluminium basic acetate | Antiseptic; antiperspirant |
| Aluminium benzoate | Antimicrobial |
| Aluminium bis(acetylsalicylate) | Analgesic, antipyretic |
| Aluminium bromohydrate | Antiperspirant |
| Aluminium butyrate | Food packaging ingredient |
| Aluminium carbonate - basic | Antacid; phosphate binder |
| Aluminium chloride hexahydrate | Antiperspirant |
| Aluminium chlorohydrate | Antiperspirant |
| Aluminium chlorohydrax | Topical drug: acne |
| Aluminium citrate | Antiperspirant |
| Aluminium di(2-ethylhexoate) | Food packaging ingredient |
| Aluminium fatty-acid salts | Food packaging ingredient |
| Aluminium glycinate | Antacid |
| Aluminium hexaurea sulphate triiodide | Drinking water antiseptic |
| Aluminium hydroxide | Antacid; antidiarrheal; food colouring agent; topical drugs: diaper rash, anti-fungal, acne; food packaging ingredient; vaccine adjuvant ^d |
| Aluminium hydroxychloride | Astringent; anti-hyperphosphatemic |
| Aluminium lactate | Antiseptic; in dental impression material |
| Aluminium magnesium silicate | Antacid; topical acne |
| Aluminium metal silicates (sodium and/or calcium) | Food Anticaking agent |
| Aluminium methanedisulphonate | Astringent |
| Aluminium nicotinate | Antihyperlipoproteinemic; source of niacin |
| Aluminium nitrate | Antiperspirant |
| Aluminium phenolsulphonate | Antiperspirant; antimicrobial agent |
| Aluminium phosphate | Antacid; vaccine adjuvant; dental cement |
| Aluminium potassium silicate (anhydrous) | Food packaging ingredient |
| Aluminium potassium silicate (hydrated) | Drug colouring agent; cosmetic ingredient |
| Aluminium potassium sulphate/ Aluminium potassium sulphate dodecahydrate | Astringent; antiperspirant; water purification agent; baking powder; topical: diaper rash, anti-fungal; food additive; in preparation of vaccine adjuvants |
| Aluminium silicate (anhydrous) | Dental cement; food packaging ingredient |
| Aluminium silicate (hydrated) | Food packaging ingredient |
| Aluminium sodium carbonate hexitol complex | Antacid |
| Aluminium sodium sulphate/ aluminium sodium sulphate dodecahydrate | As for potassium alum |
| Aluminium sulphate/aluminium sulphate octadecahydrate | Antiperspirant; topical: diaper rash, anti-fungal; food additive |
| Basic aluminium clofibrate | Antilipimic |
| Basic aluminium salicylates | Antidiarrheal |
| Basic aluminium-magnesium carbonate tetrahydrate | Antacid |
| Basic aluminium-magnesium sulphate dihydrate | Antacid |
| Basic sodium aluminium phosphate | Food additive; leavening agent |
| Bismuth aluminate | Antacid |
| Dihydroxy aluminium sodium carbonate | Antacid |
| Dihydroxyaluminium allantoinate | Astringent; antiulcerative |
| Dihydroxyaluminium acetylsalicylate | Analgesic, antipyretic |
| Polyoxaaluminium acetylsalicylate | Analgesic |
| Sodium aluminium chlorohydroxy lactate | Antiperspirant; cosmetic products |
| Sucrose octakisulphate aluminium salt | Antiulcerative |

^aMajor sources: Lie et al. (1990/1991); The Merck Index (2001); Office of the Federal Register (2003); ChemFinder.com (<http://chemfinder.cambridgesoft.com>).

^bCAS Numbers are listed in Table 2.

^cFor some of the compounds listed, industrial uses are provided in Table 6.