

Key search 6 - Initial search 2022_Human studies (WoS)

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40. Literature search date: 22nd March 2022 (updated January 2024 (presumably 24th)).

41. Search concept: Fluorides AND adverse outcomes AND human NOT Perfluoride (see below for further details).

42. Chemical search terms (fluorides concept): (TI=(Fluoride OR Fluorides OR "16984-48-8" OR 16984488 OR "Fluoride ion" OR "Sulfuryl fluoride" OR "sulfonyl fluoride" OR Vikane OR "Fluorosilicic acid" OR hydrofluorosilicate OR "Sodium hexafluorosilicate" OR "disodium hexafluorosilicate" OR "sodium fluorosilicate" OR "Sodium fluoride" OR "Potassium fluoride" OR "Calcium fluoride" OR "Ammonium fluoride" OR "Boron trifluoride" OR "Diethyl ether-boron trifluoride" OR (organopolysiloxanes AND "fluorinated group*"))) OR (AB=(Fluoride OR Fluorides OR "16984-48-8" OR 16984488 OR "Fluoride ion" OR "Sulfuryl fluoride" OR "sulfonyl fluoride" OR Vikane OR "Fluorosilicic acid" OR hydrofluorosilicate OR "Sodium hexafluorosilicate" OR "disodium hexafluorosilicate" OR "sodium fluorosilicate" OR "Sodium fluoride" OR "Potassium fluoride" OR "Calcium fluoride" OR "Ammonium fluoride" OR "Boron trifluoride" OR

"Diethyl ether-boron trifluoride" OR (organopolysiloxanes AND "fluorinated group*")) OR (AK=(Fluoride OR Fluorides OR "16984-48-8" OR 16984488 OR "Fluoride ion" OR "Sulfuryl fluoride" OR "sulfonyl fluoride" OR Vikane OR "Fluorosilicic acid" OR hydrofluorosilicate OR "Sodium hexafluorosilicate" OR "disodium hexafluorosilicate" OR "sodium fluorosilicate" OR "Sodium fluoride" OR "Potassium fluoride" OR "Calcium fluoride" OR "Ammonium fluoride" OR "Boron trifluoride" OR "Diethyl ether-boron trifluoride" OR (organopolysiloxanes AND "fluorinated group*"))).

43. Toxicity search terms (adverse outcomes concepts, combined with OR operator)5 :

Toxicity (general concept): TS=(((adverse OR chronic OR fatal OR harmful* OR negative OR serious OR side OR Subchronic OR undesirable) AND (effect* OR event* OR outcome* OR reaction*)) OR Abnormal* OR Anomal* OR "Benchmark dose" OR "Benchmark doses" OR BMD OR BMDL OR Complication* OR Deficien* OR Deleterious OR "Dose effect" OR "Dose response" OR Hazard* OR injurious OR Intox* OR LOEL OR LOAEL OR "Lowest Observable Adverse effect level*" OR "Lowest Observed Adverse effect level*" OR Malformation* OR NOAEL OR NOAELs OR NOEL OR NOELs OR "No Observable Adverse Effect Level*" OR "No Observed Adverse Effect Level*" OR "No Observed Effect Level*" OR Pathogenic* OR Patholog* OR Physiopatholog* OR Toxic* OR Unhealth* OR Unsafe).

Neurotoxicity and developmental neurotoxicity concept: TS=(((Attention OR Behav* OR Brain OR Brains OR cognit* OR Coordination OR develop* OR neur* OR nervous OR mental) AND (deficit* OR diagnosis OR diagnoses OR disease* OR disorder* OR dysfunction* OR impair* OR manifestation* OR problem* OR retard* OR syndrome* OR patholog*)) OR "barnes maze" OR "Biel Maze" OR "Charcot-Marie-Tooth" OR "Cincinnati Maze" OR "Contextual Fear" OR "developmental period*" OR "Guillain-Barre syndrome" OR "IQ-test*" OR "Long term potentiation*" OR "maze-test*" OR "mental-recall*" OR "Morris water maze" OR "nerve-transmi*" OR "Nervous system" OR "Neuro-development*" OR "Neuro-genes*" OR "neuronal-transmi*" OR "neuro-transm*" OR "Novel Object recognition" OR "passive avoidance" OR "presynaptic-terminal*" OR "radial arm maze" OR "Rey Osterieth Complex Figure" OR "rheumatoid arthritis" OR "scholastic-achievement*" OR "Sjogren's syndrome" OR "spontaneous alternation" OR "Synaptic circuit*" OR "Synaptic dysfunction*" OR "Synaptic impair*" OR "Synaptic net" OR "Synaptic nets" OR "Synaptic network*" OR "Synaptic plasticity" OR "synaptic-neurotransmi*" OR "synaptic-transmi*" OR "trace fear" OR Alzheimer* OR Amnesia OR behav* OR Cerebell* OR Cerebr* OR Cortex OR CVMT OR Dementia OR Hippocam* OR intelligence OR learn* OR Locomot* OR

memory OR Neocortex OR Neuroanatom* OR Neurobehav* OR Neurocognit* OR Neurodevelop* OR Neurodevelopment* OR Neurogenes* OR Neuropath* OR Neurotox* OR neurotransmi*).

Specific Adverse Outcome concept: TS=(fluoros* OR "Dental diseas*" OR "Mottled Enamel*" OR "Skeletal diseas*" OR "Tooth diseas*" OR "Teeth diseas*").

44. Humans concept: TS=(Aged OR Baby OR Babies OR Boy OR Boys OR Child* OR cohort OR cohorts OR Elder* OR Girl OR Girls OR Human* OR "in vivo" OR Inpatient* OR Man OR Men OR "middle age" OR Newborn* OR "new born*" OR Outpatient* OR Participant* OR Patient* OR Pediatric* OR Paediatric* OR Person* OR People OR Preschool* OR "Research subject" OR "pre-school" OR Schoolchild* OR Seniors OR Student* OR Teen OR Teenager* OR Teens OR Toddler* OR Volunteer* OR Woman OR Women).

45. Term excluded: TS=(Perfluor*).