^{110m}Ag

Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	249.8 days
Origin [1]	Fast neutron activation
Principal decay mode [1]	Beta
Specific activity [2]	1.74×10^{14} Bq g^{-1}
Freshwater Kd [3]	9.5×10^{4} L kg^{-1}
Marine Kd [4]	2.0×10^{4} L kg^{-1}

Parameters useful for human assessments	Value
CR Pasture grass	No data available
CR Freshwater fish [3]	1.1×10^{2} L kg^{-1}
CR Marine fish [4]	1.0×10^{3} L kg^{-1}
F_f Cow meat	No data available
F_m Cow milk	No data available
Human fractional absorption (f1) [5]	0.05
Inhalation dose coefficient [6]	1.2×10^{-8} Sv Bq^{-1}
Ingestion dose coefficient [6]	2.8×10^{-9} Sv Bq^{-1}
Biological half life for Human (adult) [7]	a: 3.5 days (0.1) , b: 50 days (0.9)
Biological half life for Cow milk	No data available
EU Food intervention limit- Dairy [8]	1000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Baby food [8]	400 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Liquid [8]	1000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Other food [8]	1250 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Minor food [8]	12500 Bq L^{-1} or Bq kg^{-1}

^{110m}Ag

Commonly used or illustrative parameters

Parameters useful for wildlife assessments	Value
Terrestrial EMCL— Soil [9]	5.65×10^{3} Bq kg^{-1}
Freshwater EMCL—Water [9]	1.71×10^{-2} Bq L^{-1}
Freshwater EMCL— Sediment [9]	6.1×10^{3} Bq kg^{-1}
Marine EMCL — Water [9]	6.37×10^{-2} Bq L^{-1}
Marine EMCL — Sediment [9]	4.85×10^{2} Bq kg^{-1}
CR Terrestrial mammal (rat) [9]	5.4×10^{-1}
CR Freshwater fish [9]	4.1×10^{2}
CR Freshwater mollusc [9]	2.1×10^{4}
CR Marine fish [9]	1.1×10^{4}
CR Marine mollusc [9]	3.6×10^{4}
Internal DCC Terrestrial mammal (rat) on soil [9]	1.8×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Terrestrial mammal (rat) in soil [9]	1.4×10^{-3} µGy h^{-1}/Bq kg^{-1} soil
External DCC Terrestrial mammal (rat) on soil [9]	5.4×10^{-4}µGy h^{-1}/Bq kg^{-1} soil
Internal DCC Marine fish (benthic) [9]	1.8×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Marine fish (benthic) in water [9]	1.5×10^{-3}µGy h^{-1}/Bq L^{-1} water
External DCC Marine fish (benthic) at sediment interface [9]	7.5×10^{-4} µGy h^{-1}/Bq kg^{-1} sediment
Internal DCC Freshwater fish (pelagic) [9]	2.4×10^{-4}µGy h-1/Bq kg^{-1} whole organism
External DCC Freshwater fish in water [9]	1.4×10^{-3} µGy h^{-1}/Bq L^{-1} water

All terms used in these tables are described and discussed in underlying documents accessed via the hyperlinks provided

Sources of data reference list
Data compiled: July 2014
Data updated : May 2015

www.radioecology-exchange.org