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Commonly used or illustrative parameters

Generic parameters	Value
Radioactive half life [1]	5.76 Years
Origin [1]	Naturally occurring
Principal decay mode [1]	Beta minus (β^-)
Specific activity [2]	1.01×10^4 GBq/g
Freshwater Kd [3]	7.4×10^3 L kg^{-1}
Marine Kd [4]	4×10^3 L kg^{-1}

Parameters useful for human assessments	Value
CR Pasture grass [3]	7.1×10^{-2}
CR Freshwater fish [3]	2.1×10^2 L kg^{-1}
CR Marine fish [4]	1×10^2 L kg^{-1}
F_f Cow meat [4]	1.7×10^{-3} d kg^{-1}
F_m Cow milk [4]	3.8×10^{-4} d kg^{-1}
Human fractional absorption (f1) [5]	0.3
Inhalation dose coefficient [6]	9.5×10^{-3} Sv Bq^{-1}
Ingestion dose coefficient [6]	6.9×10^{-7} Sv Bq^{-1}
Biological half life for Human (adult)	No data available
Biological half life for Cow milk	No data available
EU Food intervention limit- Dairy [7]	1000 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Baby food [7]	400 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Liquid [7]	1000 Bq L^{-1}
EU Food intervention limit- Other food [7]	1250 Bq L^{-1} or Bq kg^{-1}
EU Food intervention limit- Minor food [7]	12500 Bq L^{-1} or Bq kg^{-1}

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Commonly used or illustrative parameters

Parameters useful for wildlife assessments	Value
Terrestrial EMCL— Soil [8]	1.33×10^{4} Bq kg^{-1}
Freshwater EMCL—Water [8]	3.53×10^{0} Bq L^{-1}
Freshwater EMCL— Sediment [8]	1.84×10^{4} Bq kg^{-1}
Marine EMCL — Water [8]	8.93×10^{-1} Bq L^{-1}
Marine EMCL — Sediment [8]	1.31×10^{4} Bq kg^{-1}
CR Terrestrial mammal (rat) [8]	4.4×10^{-2}
CR Freshwater fish [8]	1.8×10^{2}
CR Freshwater mollusc [8]	2.4×10^{4}
CR Marine fish [8]	1.4×10^{2}
CR Marine mollusc [8]	6.5×10^{1}
Internal DCC Terrestrial mammal (rat) on soil [8]	3.5×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Terrestrial mammal (rat) in soil [8]	4.7×10^{-4}µGy h^{-1}/Bq kg^{-1} soil
External DCC Terrestrial mammal (rat) on soil [8]	1.9×10^{-4} µGy h^{-1}/Bq kg^{-1} soil
Internal DCC Marine fish (benthic) [8]	3.5×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Marine fish (benthic) in water [8]	5.2×10^{-4} µGy h^{-1}/Bq L^{-1} water
External DCC Marine fish (benthic) at sediment interface[8]	6.2×10^{-4} µGy h^{-1}/Bq kg^{-1} sediment
Internal DCC Freshwater fish (pelagic)[8]	3.71×10^{-4} µGy h^{-1}/Bq kg^{-1} whole organism
External DCC Freshwater fish in water [8]	5.00×10^{-4} Gy 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: September 2012
Data updated : May 2015