

SCHEDULE 2 **E+W+S**

Regulation 3(1) and (2)

SPECIFIED QUANTITIES OF RADIONUCLIDES ON PREMISES

PART I **E+W+S****Commencement Information**

II Sch. 2 Pt. I in force at 20.9.2001, see [reg. 1](#)

Table of radionuclides

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Actinium		
Ac-224		2 10 ¹¹
Ac-225		3 10 ⁹
Ac-226		2 10 ¹⁰
Ac-227		4 10 ⁷
Ac-228		5 10 ¹¹
Aluminium		
Al-26		7 10 ¹⁰
Americium		
Am-237		4 10 ¹²
Am-238		6 10 ¹²
Am-239		2 10 ¹²
Am-240		4 10 ¹²
Am-241		3 10 ⁸
Am-242		1 10 ¹²
Am-242m		3 10 ⁸
Am-243		3 10 ⁸
Am-244		2 10 ¹²
Am-244m		2 10 ¹⁴
Am-245		2 10 ¹²
Am-246		1 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Am-246m		2 10 ¹²
Antimony		
Sb-115		2 10 ¹²
Sb-116		2 10 ¹²
Sb-116m		2 10 ¹²
Sb-117		1 10 ¹³
Sb-118m		7 10 ¹²
Sb-119		1 10 ¹³
Sb-120	(long lived isotope)	3 10 ¹²
Sb-120	(short lived isotope)	2 10 ¹²
Sb-122		2 10 ¹²
Sb-124		4 10 ¹¹
Sb-124m		4 10 ¹²
Sb-125		4 10 ¹¹
Sb-126		1 10 ¹²
Sb-126m		2 10 ¹²
Sb-127		2 10 ¹²
Sb-128	(long lived isotope)	2 10 ¹²
Sb-128	(short lived isotope)	1 10 ¹²
Sb-129		2 10 ¹²
Sb-130		1 10 ¹²
Sb-131		2 10 ¹²
Argon		
Ar-37	(gas)	4 10 ¹⁷
Ar-39	(gas)	2 10 ¹⁶
Ar-41	(gas)	4 10 ¹³
Arsenic		
As-69		7 10 ¹¹
As-70		1 10 ¹²
Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.		

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
As-71		3 10 ¹²
As-72		9 10 ¹¹
As-73		8 10 ¹²
As-74		2 10 ¹²
As-76		9 10 ¹¹
As-77		2 10 ¹²
As-78		7 10 ¹¹
Astatine		
At-207		4 10 ¹²
At-211		2 10 ¹¹
Barium		
Ba-126		2 10 ¹³
Ba-128		1 10 ¹³
Ba-131		6 10 ¹²
Ba-131m		3 10 ¹²
Ba-133		4 10 ¹¹
Ba-133m		2 10 ¹²
Ba-135m		2 10 ¹²
Ba-139		11, ⁰¹²
Ba-140		2 10 ¹²
Ba-141		1 10 ¹²
Ba-142		2 10 ¹²
Berkelium		
Bk-245		3 10 ¹²
Bk-246		6 10 ¹²
Bk-247		3 10 ⁸
Bk-249		2 10 ¹¹
Bk-250		2 10 ¹²
Beryllium		

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Be-7		2 10 ¹³
Be-10		6 10 ¹¹
Bismuth		
Bi-200		2 10 ¹²
Bi-201		2 10 ¹²
Bi-202		3 10 ¹²
Bi-203		4 10 ¹²
Bi-205		2 10 ¹²
Bi-206		2 10 ¹²
Bi-207		1 10 ¹¹
Bi-210		2 10 ¹¹
Bi-210m		6 10 ⁹
Bi-212		7 10 ¹¹
Bi-213		7 10 ¹¹
Bi-214		1 10 ¹²
Bromine		
Br-74		8 10 ¹¹
Br-74m		6 10 ¹¹
Br-75		2 10 ¹²
Br-76		1 10 ¹²
Br-77		4 10 ¹³
Br-80		1 10 ¹²
Br-80m		5 10 ¹²
Br-82		3 10 ¹²
Br-83		2 10 ¹²
Br-84		7 10 ¹¹
Cadmium		
Cd-104		1 10 ¹³
Cd-107		4 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Cd-109		2 10 ¹²
Cd-113		2 10 ¹¹
Cd-113m		1 10 ¹¹
Cd-115		2 10 ¹²
Cd-115m		2 10 ¹²
Cd-117		2 10 ¹²
Cd-117m		2 10 ¹²
Caesium		
Cs-125		2 10 ¹²
Cs-127		1 10 ¹³
Cs-129		2 10 ¹³
Cs-130		2 10 ¹²
Cs-131		6 10 ¹³
Cs-132		9 10 ¹²
Cs-134		7 10 ¹⁰
Cs-134m		4 10 ¹²
Cs-135		9 10 ¹¹
Cs-135m		8 10 ¹²
Cs-136		8 10 ¹¹
Cs-137		1 10 ¹¹
Cs-138		8 10 ¹¹
Calcium		
Ca-41		3 10 ¹³
Ca-45		3 10 ¹²
Ca-47		2 10 ¹²
Californium		
Cf-244		2 10 ¹²
Cf-246		5 10 ¹⁰
Cf-248		2 10 ⁹

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Cf-249		3 10 ⁸
Cf-250		7 10 ⁸
Cf-251		3 10 ⁸
Cf-252		1 10 ⁹
Cf-253		2 10 ¹⁰
Cf-254		4 10 ⁸
Carbon		
C-11		2 10 ¹²
C-11	(vapour)	1 10 ¹⁴
C-11	(dioxide gas)	1 10 ¹⁴
C-11	(monoxide gas)	1 10 ¹⁴
C-14		3 10 ¹²
C-14	(vapour)	4 10 ¹³
C-14	(dioxide gas)	3 10 ¹⁵
C-14	(monoxide gas)	1 10 ¹⁶
Cerium		
Ce-134		1 10 ¹³
Ce-135		2 10 ¹²
Ce-137		2 10 ¹³
Ce-137m		2 10 ¹²
Ce-139		2 10 ¹²
Ce-141		2 10 ¹²
Ce-143		2 10 ¹²
Ce-144		3 10 ¹¹
Chlorine		
Cl-36		2 10 ¹²
Cl-38		6 10 ¹¹
Cl-39		1 10 ¹²
Chromium		

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Cr-48		4 10 ¹³
Cr-49		2 10 ¹²
Cr-51		3 10 ¹³
Cobalt		
Co-55		2 10 ¹²
Co-56		2 10 ¹¹
Co-57		1 10 ¹²
Co-58		6 10 ¹¹
Co-58m		2 10 ¹³
Co-60		6 10 ¹⁰
Co-60m		7 10 ¹²
Co-61		2 10 ¹²
Co-62m		9 10 ¹¹
Copper		
Cu-60		1 10 ¹²
Cu-61		2 10 ¹²
Cu-64		4 10 ¹²
Cu-67		3 10 ¹²
Curium		
Cm-238		5 10 ¹²
Cm-240		7 10 ⁹
Cm-241		5 10 ¹¹
Cm-242		4 10 ⁹
Cm-243		4 10 ⁸
Cm-244		4 10 ⁸
Cm-245		2 10 ⁸
Cm-246		2 10 ⁸
Cm-247		3 10 ⁸
Cm-248		7 10 ⁷

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Cm-249		2 10 ¹²
Cm-250		1 10 ⁷
Dysprosium		
Dy-155		1 10 ¹³
Dy-157		1 10 ¹⁴
Dy-159		8 10 ¹²
Dy-165		2 10 ¹²
Dy-166		3 10 ¹²
Einsteinium		
Es-250		1 10 ¹³
Es-251		6 10 ¹²
Es-253		8 10 ⁹
Es-254		2 10 ⁹
Es-254m		5 10 ¹⁰
Erbium		
Er-161		6 10 ¹²
Er-165		2 10 ¹⁴
Er-169		3 10 ¹²
Er-171		2 10 ¹²
Er-172		3 10 ¹²
Europium		
Eu-145		4 10 ¹²
Eu-146		3 10 ¹²
Eu-147		4 10 ¹²
Eu-148		4 10 ¹¹
Eu-149		8 10 ¹²
Eu-150	(long lived isotope)	1 10 ¹¹
Eu-150	(short lived isotope)	2 10 ¹²
Eu-152		1 10 ¹¹

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Eu-152m		2 10 ¹²
Eu-154		1 10 ¹¹
Eu-155		2 10 ¹²
Eu-156		2 10 ¹²
Eu-157		2 10 ¹²
Eu-158		1 10 ¹²
Fermium		
Fm-252		7 10 ¹⁰
Fm-253		6 10 ¹⁰
Fm-254		3 10 ¹¹
Fm-255		9 10 ¹⁰
Fm-257		3 10 ⁹
Fluorine		
F-18		2 10 ¹²
Francium		
Fr-222		1 10 ¹²
Fr-223		2 10 ¹²
Gadolinium		
Gd-145		2 10 ¹²
Gd-146		2 10 ¹²
Gd-147		5 10 ¹²
Gd-148		9 10 ⁸
Gd-149		6 10 ¹²
Gd-151		5 10 ¹²
Gd-152		1 10 ⁹
Gd-153		2 10 ¹²
Gd-159		2 10 ¹²
Gallium		
Ga-65		1 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Ga-66		9 10 ¹¹
Ga-67		5 10 ¹²
Ga-68		2 10 ¹²
Ga-70		1 10 ¹²
Ga-72		2 10 ¹²
Ga-73		2 10 ¹²
Germanium		
Ge-66		3 10 ¹²
Ge-67		7 10 ¹¹
Ge-68		1 10 ¹²
Ge-69		2 10 ¹²
Ge-71		7 10 ¹⁴
Ge-75		2 10 ¹²
Ge-77		1 10 ¹²
Ge-78		2 10 ¹²
Gold		
Au-193		7 10 ¹²
Au-194		1 10 ¹³
Au-195		3 10 ¹²
Au-198		2 10 ¹²
Au-198m		2 10 ¹²
Au-199		3 10 ¹²
Au-200		1 10 ¹²
Au-200m		2 10 ¹²
Au-201		2 10 ¹²
Hafnium		
Hf-170		4 10 ¹²
Hf-172		5 10 ¹¹
Hf-173		6 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Hf-175		2 10 ¹²
Hf-177m		2 10 ¹²
Hf-178m		4 10 ¹⁰
Hf-179m		2 10 ¹²
Hf-180m		2 10 ¹²
Hf-181		1 10 ¹²
Hf-182		7 10 ¹⁰
Hf-182m		2 10 ¹²
Hf-183		2 10 ¹²
Hf-184		2 10 ¹²
Holmium		
Ho-155		2 10 ¹²
Ho-157		4 10 ¹²
Ho-159		6 10 ¹²
Ho-161		1 10 ¹³
Ho-162		5 10 ¹²
Ho-162m		4 10 ¹²
Ho-164		2 10 ¹²
Ho-164m		4 10 ¹²
Ho-166		1 10 ¹²
Ho-166m		8 10 ¹⁰
Ho-167		2 10 ¹²
Hydrogen		
H-3	(tritiated water)	7 10 ¹³
H-3	(organically bound tritium)	1 10 ¹⁴
H-3	(tritiated water vapour)	1 10 ¹⁵
H-3	(gas)	1 10 ¹⁸
H-3	(tritiated methane gas)	1 10 ¹⁷

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
H-3	(organically bound tritium gas/ vapour)	6 10 ¹⁴
Indium		
In-109		7 10 ¹²
In-110	(long lived isotope)	2 10 ¹³
In-110	(short lived isotope)	1 10 ¹²
In-111		9 10 ¹²
In-112		2 10 ¹²
In-113m		5 10 ¹²
In-114		1 10 ¹²
In-114m		9 10 ¹¹
In-115		6 10 ¹⁰
In-115m		3 10 ¹²
In-116m		2 10 ¹²
In-117		2 10 ¹²
In-117m		2 10 ¹²
In-119m		9 10 ¹¹
Iodine		
I-120		6 10 ¹¹
I-120	(elemental vapour)	2 10 ¹³
I-120	(methyl iodide vapour)	2 10 ¹³
I-120m		7 10 ¹¹
I-120m	(elemental vapour)	2 10 ¹³
I-120m	(methyl iodide vapour)	2 10 ¹³
I-121		4 10 ¹²
I-121	(elemental vapour)	1 10 ¹⁴
I-121	(methyl iodide vapour)	1 10 ¹⁴
I-123		9 10 ¹²
I-123	(elemental vapour)	5 10 ¹³
I-123	(methyl iodide vapour)	6 10 ¹³

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
I-124		2 10 ¹²
I-124	(elemental vapour)	9 10 ¹¹
I-124	(methyl iodide vapour)	1 10 ¹²
I-125		1 10 ¹¹
I-125	(elemental vapour)	1 10 ¹²
I-125	(methyl iodide vapour)	1 10 ¹²
I-126		8 10 ¹¹
I-126	(elemental vapour)	5 10 ¹¹
I-126	(methyl iodide vapour)	6 10 ¹¹
I-128		1 10 ¹²
I-128	(elemental vapour)	2 10 ¹⁴
I-128	(methyl iodide vapour)	5 10 ¹⁴
I-129		1 10 ¹⁰
I-129	(elemental vapour)	2 10 ¹¹
I-129	(methyl iodide vapour)	2 10 ¹¹
I-130		3 10 ¹²
I-130	(elemental vapour)	5 10 ¹²
I-130	(methyl iodide vapour)	6 10 ¹²
I-131		9 10 ¹⁰
I-131	(elemental vapour)	6 10 ¹¹
I-131	(methyl iodide vapour)	7 10 ¹¹
I-132		2 10 ¹²
I-132	(elemental vapour)	2 10 ¹³
I-132	(methyl iodide vapour)	3 10 ¹³
I-132m		2 10 ¹²
I-132m	(elemental vapour)	4 10 ¹³
I-132m	(methyl iodide vapour)	5 10 ¹³
I-133		2 10 ¹²
I-133	(elemental vapour)	2 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
I-133	(methyl iodide vapour)	3 10 ¹²
I-134		2 10 ¹²
I-134	(elemental vapour)	3 10 ¹³
I-134	(methyl iodide vapour)	4 10 ¹³
I-135		2 10 ¹²
I-135	(elemental vapour)	9 10 ¹²
I-135	(methyl iodide vapour)	1 10 ¹³
Iridium		
Ir-182		1 10 ¹²
Ir-184		2 10 ¹²
Ir-185		3 10 ¹²
Ir-186	(long lived isotope)	3 10 ¹²
Ir-186	(short lived isotope)	2 10 ¹²
Ir-187		6 10 ¹²
Ir-188		5 10 ¹²
Ir-189		9 10 ¹²
Ir-190		2 10 ¹²
Ir-190m	(long lived isotope)	3 10 ¹²
Ir-190m	(short lived isotope)	1 10 ¹³
Ir-192		6 10 ¹¹
Ir-192m		4 10 ¹¹
Ir-193m		4 10 ¹²
Ir-194		1 10 ¹²
Ir-194m		1 10 ¹¹
Ir-195		2 10 ¹²
Ir-195m		2 10 ¹²
Iron		
Fe-52		2 10 ¹²
Fe-55		8 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Fe-59		8 10 ¹¹
Fe-60		4 10 ¹⁰
Krypton		
Kr-74	(gas)	5 10 ¹³
Kr-76	(gas)	1 10 ¹⁴
Kr-77	(gas)	6 10 ¹³
Kr-79	(gas)	2 10 ¹⁴
Kr-81	(gas)	7 10 ¹⁵
Kr-81m	(gas)	5 10 ¹⁴
Kr-83m	(gas)	3 10 ¹⁶
Kr-85	(gas)	1 10 ¹⁶
Kr-85m	(gas)	4 10 ¹⁴
Kr-87	(gas)	7 10 ¹³
Kr-88	(gas)	3 10 ¹³
Lanthanum		
La-131		2 10 ¹²
La-132		2 10 ¹²
La-135		2 10 ¹⁴
La-137		2 10 ¹²
La-138		2 10 ¹¹
La-140		2 10 ¹²
La-141		1 10 ¹²
La-142		1 10 ¹²
La-143		7 10 ¹¹
Lead		
Pb-195m		2 10 ¹²
Pb-198		4 10 ¹²
Pb-199		6 10 ¹²
Pb-200		3 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Pb-201		8 10 ¹²
Pb-202		6 10 ¹¹
Pb-202m		4 10 ¹²
Pb-203		9 10 ¹²
Pb-205		1 10 ¹³
Pb-209		2 10 ¹²
Pb-210		3 10 ⁹
Pb-211		2 10 ¹²
Pb-212		1 10 ¹¹
Pb-214		1 10 ¹²
Lutetium		
Lu-169		6 10 ¹²
Lu-170		3 10 ¹²
Lu-171		4 10 ¹²
Lu-172		3 10 ¹²
Lu-173		2 10 ¹²
Lu-174		1 10 ¹²
Lu-174m		3 10 ¹²
Lu-176		3 10 ¹¹
Lu-176m		2 10 ¹²
Lu-177		3 10 ¹²
Lu-177m		3 10 ¹¹
Lu-178		1 10 ¹²
Lu-178m		1 10 ¹²
Lu-179		2 10 ¹²
Magnesium		
Mg-28		5 10 ¹²
Manganese		
Mn-51		1 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Mn-52		2 10 ¹²
Mn-52m		8 10 ¹¹
Mn-53		1 10 ¹⁴
Mn-54		3 10 ¹¹
Mn-56		1 10 ¹²
Mendelevium		
Md-257		9 10 ¹¹
Md-258		4 10 ⁹
Mercury		
Hg-193	(organic)	3 10 ¹²
Hg-193	(inorganic)	3 10 ¹²
Hg-193	(vapour)	2 10 ¹³
Hg-193m	(organic)	2 10 ¹²
Hg-193m	(inorganic)	2 10 ¹²
Hg-193m	(vapour)	6 10 ¹²
Hg-194	(organic)	3 10 ¹¹
Hg-194	(inorganic)	1 10 ¹²
Hg-194	(vapour)	6 10 ¹¹
Hg-195	(organic)	5 10 ¹²
Hg-195	(inorganic)	5 10 ¹²
Hg-195	(vapour)	1 10 ¹³
Hg-195m	(organic)	3 10 ¹²
Hg-195m	(inorganic)	3 10 ¹²
Hg-195m	(vapour)	3 10 ¹²
Hg-197	(organic)	7 10 ¹²
Hg-197	(inorganic)	7 10 ¹²
Hg-197	(vapour)	5 10 ¹²
Hg-197m	(organic)	2 10 ¹²
Hg-197m	(inorganic)	2 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Hg-197m	(vapour)	4 10 ¹²
Hg-199m	(organic)	2 10 ¹²
Hg-199m	(inorganic)	2 10 ¹²
Hg-199m	(vapour)	1 10 ¹⁴
Hg-203	(organic)	3 10 ¹²
Hg-203	(inorganic)	3 10 ¹²
Hg-203	(vapour)	3 10 ¹²
Molybdenum		
Mo-90		2 10 ¹²
Mo-93		2 10 ¹²
Mo-93m		4 10 ¹²
Mo-99		2 10 ¹²
Mo-101		2 10 ¹²
Neodymium		
Nd-136		4 10 ¹²
Nd-138		5 10 ¹³
Nd-139		2 10 ¹²
Nd-139m		3 10 ¹²
Nd-141		2 10 ¹³
Nd-147		2 10 ¹²
Nd-149		2 10 ¹²
Nd-151		1 10 ¹²
Neon		
Ne-19	(gas)	6 10 ¹³
Neptunium		
Np-232		3 10 ¹²
Np-233		2 10 ¹⁴
Np-234		5 10 ¹²
Np-235		2 10 ¹³

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Np-236	(long lived isotope)	3 10 ⁹
Np-236	(short lived isotope)	3 10 ¹²
Np-237		5 10 ⁸
Np-238		2 10 ¹²
Np-239		1 10 ¹²
Np-240		7 10 ¹¹
Nickel		
Ni-56		4 10 ¹²
Ni-56	(carbonyl vapour)	1 10 ¹³
Ni-57		2 10 ¹²
Ni-57	(carbonyl vapour)	2 10 ¹³
Ni-59		4 10 ¹³
Ni-59	(carbonyl vapour)	2 10 ¹³
Ni-63		1 10 ¹³
Ni-63	(carbonyl vapour)	1 10 ¹³
Ni-65		1 10 ¹²
Ni-65	(carbonyl vapour)	4 10 ¹³
Ni-66		5 10 ¹²
Ni-66	(carbonyl vapour)	1 10 ¹³
Niobium		
Nb-88		7 10 ¹¹
Nb-89	(long lived isotope)	1 10 ¹²
Nb-89	(short lived isotope)	8 10 ¹¹
Nb-90		2 10 ¹²
Nb-93m		1 10 ¹³
Nb-94		1 10 ¹¹
Nb-95		2 10 ¹²
Nb-95m		2 10 ¹²
Nb-96		2 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Nb-97		2 10 ¹²
Nb-98		1 10 ¹²
Nitrogen		
N-13	(gas)	6 10 ¹³
Osmium		
Os-180		1 10 ¹³
Os-181		3 10 ¹²
Os-182		6 10 ¹²
Os-185		7 10 ¹¹
Os-189m		1 10 ¹³
Os-191		4 10 ¹²
Os-191m		7 10 ¹²
Os-193		2 10 ¹²
Os-194		2 10 ¹¹
Palladium		
Pd-100		7 10 ¹²
Pd-101		8 10 ¹²
Pd-103		4 10 ¹³
Pd-107		3 10 ¹³
Pd-109		2 10 ¹²
Phosphorus		
P-32		1 10 ¹¹
P-33		3 10 ¹²
Platinum		
Pt-186		9 10 ¹³
Pt-188		6 10 ¹²
Pt-189		6 10 ¹²
Pt-191		7 10 ¹²
Pt-193		1 10 ¹⁴

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Pt-193m		3 10 ¹²
Pt-195m		3 10 ¹²
Pt-197		2 10 ¹²
Pt-197m		2 10 ¹²
Pt-199		2 10 ¹²
Pt-200		2 10 ¹²
Plutonium		
Pu-234		1 10 ¹²
Pu-235		2 10 ¹³
Pu-236		6 10 ⁸
Pu-237		1 10 ¹³
Pu-238		2 10 ⁸
Pu-239		2 10 ⁸
Pu-240		2 10 ⁸
Pu-241		1 10 ¹⁰
Pu-242		2 10 ⁸
Pu-243		2 10 ¹²
Pu-244		2 10 ⁸
Pu-245		2 10 ¹²
Pu-246		2 10 ¹²
Polonium		
Po-203		3 10 ¹²
Po-205		7 10 ¹²
Po-206		1 10 ¹¹
Po-207		8 10 ¹²
Po-208		2 10 ⁹
Po-209		2 10 ⁹
Po-210		4 10 ⁹
Potassium		
Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.		

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
K-40		2 10 ¹²
K-42		7 10 ¹¹
K-43		2 10 ¹²
K-44		6 10 ¹¹
K-45		9 10 ¹¹
Praseodymium		
Pr-136		1 10 ¹²
Pr-137		2 10 ¹²
Pr-138m		2 10 ¹²
Pr-139		7 10 ¹²
Pr-142		1 10 ¹²
Pr-142m		2 10 ¹⁵
Pr-143		2 10 ¹²
Pr-144		2 10 ¹²
Pr-145		1 10 ¹²
Pr-147		1 10 ¹²
Promethium		
Pm-141		1 10 ¹²
Pm-143		9 10 ¹¹
Pm-144		2 10 ¹¹
Pm-145		3 10 ¹²
Pm-146		2 10 ¹¹
Pm-147		4 10 ¹²
Pm-148		1 10 ¹²
Pm-148m		5 10 ¹¹
Pm-149		2 10 ¹²
Pm-150		1 10 ¹²
Pm-151		2 10 ¹²
Protactinium		
Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.		

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Pa-227		3 10 ¹¹
Pa-228		3 10 ¹¹
Pa-230		3 10 ¹⁰
Pa-231		2 10 ⁸
Pa-232		2 10 ¹²
Pa-233		2 10 ¹²
Pa-234		5 10 ¹¹
Radium		
Ra-223		3 10 ⁹
Ra-224		7 10 ⁹
Ra-225		3 10 ⁹
Ra-226		2 10 ⁹
Ra-227		2 10 ¹²
Ra-228		1 10 ⁹
Rhenium		
Re-177		2 10 ¹²
Re-178		2 10 ¹²
Re-181		3 10 ¹²
Re-182	(long lived isotope)	2 10 ¹²
Re-182	(short lived isotope)	4 10 ¹²
Re-184		1 10 ¹²
Re-184m		7 10 ¹¹
Re-186		2 10 ¹²
Re-186m		1 10 ¹²
Re-187		5 10 ¹⁴
Re-188		1 10 ¹²
Re-188m		3 10 ¹²
Re-189		2 10 ¹²
Rhodium		
Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.		

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Rh-99		4 10 ¹²
Rh-99m		9 10 ¹²
Rh-100		4 10 ¹²
Rh-101		7 10 ¹¹
Rh-101m		2 10 ¹³
Rh-102		1 10 ¹¹
Rh-102m		6 10 ¹¹
Rh-103m		3 10 ¹⁵
Rh-105		2 10 ¹²
Rh-106m		2 10 ¹²
Rh-107		2 10 ¹²
Rubidium		
Rb-79		1 10 ¹²
Rb-81		2 10 ¹²
Rb-81m		4 10 ¹²
Rb-82m		3 10 ¹²
Rb-83		1 10 ¹²
Rb-84		1 10 ¹²
Rb-86		2 10 ¹¹
Rb-87		4 10 ¹²
Rb-88		5 10 ¹¹
Rb-89		9 10 ¹¹
Ruthenium		
Ru-94		1 10 ¹⁴
Ru-94	(tetroxide vapour)	1 10 ¹⁴
Ru-97		3 10 ¹³
Ru-97	(tetroxide vapour)	1 10 ¹⁴
Ru-103		2 10 ¹²
Ru-103	(tetroxide vapour)	1 10 ¹³

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Ru-105		2 10 ¹²
Ru-105	(tetroxide vapour)	6 10 ¹³
Ru-106		3 10 ¹¹
Ru-106	(tetroxide vapour)	8 10 ¹¹
Samarium		
Sm-141		1 10 ¹²
Sm-141m		2 10 ¹²
Sm-142		9 10 ¹²
Sm-145		3 10 ¹²
Sm-146		2 10 ⁹
Sm-147		3 10 ⁹
Sm-151		6 10 ¹²
Sm-153		2 10 ¹²
Sm-155		2 10 ¹²
Sm-156		2 10 ¹²
Scandium		
Sc-43		2 10 ¹²
Sc-44		2 10 ¹²
Sc-44m		9 10 ¹²
Sc-46		3 10 ¹¹
Sc-47		3 10 ¹²
Sc-48		2 10 ¹²
Sc-49		1 10 ¹²
Selenium		
Se-70		2 10 ¹²
Se-73		2 10 ¹²
Se-73m		2 10 ¹²
Se-75		2 10 ¹¹
Se-79		5 10 ¹⁰

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Se-81		2 10 ¹²
Se-81m		4 10 ¹²
Se-83		2 10 ¹²
Silicon		
Si-31		2 10 ¹²
Si-32		2 10 ¹¹
Silver		
Ag-102		1 10 ¹²
Ag-103		2 10 ¹²
Ag-104		3 10 ¹²
Ag-104m		2 10 ¹²
Ag-105		2 10 ¹²
Ag-106		2 10 ¹²
Ag-106m		2 10 ¹²
Ag-108m		1 10 ¹¹
Ag-110m		3 10 ¹⁰
Ag-111		2 10 ¹²
Ag-112		7 10 ¹¹
Ag-115		9 10 ¹¹
Sodium		
Na-22		1 10 ¹¹
Na-24		2 10 ¹²
Strontium		
Sr-80		1 10 ¹⁴
Sr-81		9 10 ¹¹
Sr-82		2 10 ¹²
Sr-83		3 10 ¹²
Sr-85		1 10 ¹²
Sr-85m		3 10 ¹³

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Sr-87m		7 10 ¹²
Sr-89		1 10 ¹²
Sr-90		8 10 ¹⁰
Sr-91		2 10 ¹²
Sr-92		2 10 ¹²
Sulphur		
S-35	(inorganic)	1 10 ¹²
S-35	(organic)	2 10 ¹¹
S-35	(carbon disulphide vapour)	2 10 ¹³
S-35	(vapour)	2 10 ¹⁴
S-35	(dioxide gas)	1 10 ¹⁴
Tantalum		
Ta-172		2 10 ¹²
Ta-173		2 10 ¹²
Ta-174		2 10 ¹²
Ta-175		2 10 ¹²
Ta-176		3 10 ¹²
Ta-177		1 10 ¹³
Ta-178	(long lived isotope)	3 10 ¹²
Ta-179		6 10 ¹²
Ta-180		9 10 ¹¹
Ta-180m		6 10 ¹²
Ta-182		3 10 ¹¹
Ta-182m		2 10 ¹²
Ta-183		2 10 ¹²
Ta-184		2 10 ¹²
Ta-185		1 10 ¹²
Ta-186		9 10 ¹¹
Technetium		

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Tc-93		5 10 ¹³
Tc-93m		4 10 ¹²
Tc-94		6 10 ¹²
Tc-94m		1 10 ¹²
Tc-95		4 10 ¹³
Tc-95m		1 10 ¹²
Tc-96		4 10 ¹²
Tc-96m		2 10 ¹³
Tc-97		9 10 ¹²
Tc-97m		5 10 ¹²
Tc-98		1 10 ¹¹
Tc-99		5 10 ¹⁰
Tc-99m		1 10 ¹³
Tc-101		2 10 ¹²
Tc-104		6 10 ¹¹
Tellurium		
Te-116		6 10 ¹²
Te-116	(vapour)	2 10 ¹⁴
Te-121		4 10 ¹²
Te-121	(vapour)	3 10 ¹³
Te-121m		1 10 ¹²
Te-121m	(vapour)	3 10 ¹²
Te-123		6 10 ¹²
Te-123	(vapour)	2 10 ¹²
Te-123m		2 10 ¹²
Te-123m	(vapour)	5 10 ¹²
Te-125m		2 10 ¹²
Te-125m	(vapour)	8 10 ¹²
Te-127		2 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Te-127	(vapour)	2 10 ¹⁴
Te-127m		1 10 ¹²
Te-127m	(vapour)	2 10 ¹²
Te-129		2 10 ¹²
Te-129	(vapour)	4 10 ¹⁴
Te-129m		1 10 ¹²
Te-129m	(vapour)	3 10 ¹²
Te-131		1 10 ¹²
Te-131	(vapour)	1 10 ¹⁴
Te-131m		2 10 ¹²
Te-131m	(vapour)	5 10 ¹²
Te-132		3 10 ¹²
Te-132	(vapour)	2 10 ¹²
Te-133		1 10 ¹²
Te-133	(vapour)	7 10 ¹³
Te-133m		1 10 ¹²
Te-133m	(vapour)	2 10 ¹³
Te-134		3 10 ¹²
Te-134	(vapour)	7 10 ¹³
Terbium		
Tb-147		2 10 ¹²
Tb-149		2 10 ¹²
Tb-150		2 10 ¹²
Tb-151		4 10 ¹²
Tb-153		7 10 ¹² ;
Tb-154		4 10 ¹²
Tb-155		1 10 ¹³
Tb-156		3 10 ¹²
Tb-156m	(long lived isotope)	1 10 ¹³

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Tb-156m	(short lived isotope)	4 10 ¹²
Tb-157		1 10 ¹³
Tb-158		2 10 ¹¹
Tb-160		5 10 ¹¹
Tb-161		2 10 ¹²
Thallium		
Tl-194		1 10 ¹³
Tl-194m		2 10 ¹²
Tl-195		4 10 ¹²
Tl-197		5 10 ¹²
Tl-198		7 10 ¹²
Tl-198m		2 10 ¹²
Tl-199		6 10 ¹²
Tl-200		1 10 ¹³
Tl-201		7 10 ¹²
Tl-202		7 10 ¹²
Tl-204		2 10 ¹²
Thorium		
Th-226		4 10 ¹¹
Th-227		2 10 ⁹
Th-228		6 10 ⁸
Th-229		1 10 ⁸
Th-230		2 10 ⁸
Th-231		2 10 ¹²
Th-232		2 10 ⁸
Th-234		3 10 ¹²
Thulium		
Tm-162		2 10 ¹²
Tm-166		3 10 ¹²

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Tm-167		4 10 ¹²
Tm-170		2 10 ¹²
Tm-171		1 10 ¹³
Tm-172		2 10 ¹²
Tm-173		2 10 ¹²
Tm-175		2 10 ¹²
Tin		
Sn-110		6 10 ¹³
Sn-111		2 10 ¹²
Sn-113		5 10 ¹²
Sn-117m		3 10 ¹²
Sn-119m		5 10 ¹²
Sn-121		3 10 ¹²
Sn-121m		4 10 ¹²
Sn-123		2 10 ¹²
Sn-123m		2 10 ¹²
Sn-125		1 10 ¹²
Sn-126		5 10 ¹¹
Sn-127		2 10 ¹²
Sn-128		2 10 ¹²
Titanium		
Ti-44		2 10 ¹¹
Ti-45		2 10 ¹²
Tungsten		
W-176		5 10 ¹²
W-177		3 10 ¹²
W-178		6 10 ¹³
W-179		1 10 ¹³
W-181		1 10 ¹³

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
W-185		4 10 ¹²
W-187		2 10 ¹²
W-188		3 10 ¹²
Uranium		
U-230		2 10 ⁹
U-231		7 10 ¹²
U-232		6 10 ⁸
U-233		3 10 ⁹
U-234		3 10 ⁹
U-235		3 10 ⁹
U-236		3 10 ⁹
U-237		2 10 ¹²
U-238		3 10 ⁹
U-239		2 10 ¹²
U-240		2 10 ¹²
Vanadium		
V-47		1 10 ¹²
V-48		1 10 ¹²
V-49		2 10 ¹⁴
Xenon		
Xe-120	(gas)	1 10 ¹⁴
Xe-121	(gas)	3 10 ¹³
Xe-122	(gas)	1 10 ¹⁵
Xe-123	(gas)	9 10 ¹³
Xe-125	(gas)	2 10 ¹⁴
Xe-127	(gas)	2 10 ¹⁴
Xe-129m	(gas)	2 10 ¹⁵
Xe-131m	(gas)	4 10 ¹⁵
Xe-133	(gas)	1 10 ¹⁵

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Xe-133m	(gas)	2 10 ¹⁵
Xe-135	(gas)	2 10 ¹⁴
Xe-135m	(gas)	1 10 ¹⁴
Xe-138	(gas)	5 10 ¹³
Ytterbium		
Yb-162		1 10 ¹³
Yb-166		8 10 ¹²
Yb-167		4 10 ¹²
Yb-169		3 10 ¹²
Yb-175		4 10 ¹²
Yb-177		2 10 ¹²
Yb-178		2 10 ¹²
Yttrium		
Y-86		2 10 ¹²
Y-86m		1 10 ¹³
Y-87		2 10 ¹³
Y-88		2 10 ¹¹
Y-90		2 10 ¹²
Y-90m		7 10 ¹²
Y-91		2 10 ¹²
Y-91m		2 10 ¹³
Y-92		6 10 ¹¹
Y-93		8 10 ¹¹
Y-94		6 10 ¹¹
Y-95		6 10 ¹¹
Zinc		
Zn-62		1 10 ¹³
Zn-63		1 10 ¹²
Zn-65		5 10 ¹⁰

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

Changes to legislation: There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Radionuclide name, symbol	Radionuclide form	Quantity (Bq)
Zn-69		2 10 ¹²
Zn-69m		2 10 ¹³
Zn-71m		2 10 ¹²
Zn-72		3 10 ¹²
Zirconium		
Zr-86		2 10 ¹³
Zr-88		1 10 ¹²
Zr-89		4 10 ¹²
Zr-93		8 10 ¹¹
Zr-95		8 10 ¹¹
Zr-97		2 10 ¹²
Other radionuclides not listed above (see note)		4 10 ⁷

Note: In the case of radionuclides not specified elsewhere in this Part, the quantity specified in this entry is to be used unless the Executive has approved some other quantity for that radionuclide.

PART II E+W+S

Quantity ratios for more than one radionuclide

1. For the purpose of regulation 3(2), the quantity ratio for more than one radionuclide is the sum of the quotients of the quantity of a radionuclide present Q_p divided by the quantity of that radionuclide specified in the appropriate column of Part I of this Schedule Q_{lim} , namely—

$$\sum \frac{Q_p}{Q_{lim}}$$

Commencement Information

I2 Sch. 2 Pt. II para. 1 in force at 20.9.2001, see [reg. 1](#)

2. In any case where the isotopic composition of a radioactive substance is not known or is only partially known, the quantity ratio for that substance shall be calculated by using the values specified in the appropriate column in Part 1 for 'other radionuclides not listed above' for any radionuclide that has not been identified or where the quantity of a radionuclide is uncertain, unless the employer can show that the use of some other value is appropriate in the circumstances of a particular case, when he may use that value.

Commencement Information

I3 Sch. 2 Pt. II para. 2 in force at 20.9.2001, see [reg. 1](#)

Changes to legislation:

There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Radiation (Emergency Preparedness and Public Information) Regulations 2001. Any changes that have already been made by the team appear in the content and are referenced with annotations.

[View outstanding changes](#)

Changes and effects yet to be applied to :

- Sch. 2 Pt. 1 column 3 word substituted by [S.I. 2002/2099 Sch. 4 para. 8](#)
- Sch. 2 Pt. 2 para. 2 words substituted by [S.I. 2002/2099 Sch. 4 para. 9](#)
- Regulations revoked by [S.I. 2019/703 reg. 27](#)
- defn(s) appl by [S.I. 2005/2042 reg 12\(e\)](#)

Changes and effects yet to be applied to the whole Instrument associated Parts and Chapters:

Whole provisions yet to be inserted into this Instrument (including any effects on those provisions):

- reg. 2(9A) added by [S.I. 2005/2560 reg. 2\(3\)](#)
- reg. 3(6) added by [S.I. 2004/568 Sch. 13 para. 11\(3\)\(e\)](#)
- reg. 3(6) substituted by [S.I. 2007/1573 Sch. 8](#)
- reg. 7(6)(aa)(ab) substituted for word by [S.I. 2013/235 Sch. 2 para. 47\(3\)](#)
- reg. 7(6)(ab) words inserted by [S.I. 2018/378 Sch. para. 20\(d\)](#)
- reg. 8(7)(aa) substituted for word by [S.I. 2013/235 Sch. 2 para. 47\(4\)](#)
- reg. 8(7)(aa) words inserted by [S.I. 2018/378 Sch. para. 20\(d\)](#)
- reg. 9(12)(aa)(ab) substituted for word by [S.I. 2013/235 Sch. 2 para. 47\(5\)](#)
- reg. 9(12)(ab) words inserted by [S.I. 2018/378 Sch. para. 20\(d\)](#)
- reg. 18A inserted by [S.I. 2006/557 Sch. para. 10](#)
- reg. 18A heading words substituted by [S.I. 2015/1682 Sch. para. 10\(f\)](#)
- reg. 18A words substituted by [S.I. 2015/1682 Sch. para. 10\(f\)\(i\)](#)
- reg. 18A(2)(aa) inserted by [S.I. 2014/469 Sch. 3 para. 105\(2\)](#)
- reg. 18B inserted by [S.I. 2014/469 Sch. 3 para. 105\(3\)](#)
- reg. 18B(2)(b) words substituted by [S.I. 2015/1682 Sch. para. 10\(f\)\(ii\)](#)