

Exemptions from licensing for byproduct material

Provisions of regulations pertaining to:

The product:	Exempt concentrations	Timepieces, hands, and dials	Automobile lock illuminators	Balances of precision	Automobile shift quadrants	Marine compasses	Thermostat dials and pointers	Electron tubes	Ion. rad. measuring instruments	Spark gap irradiators	Resins containing Sc-46	Exempt quantities	Self-luminous products	Gas and aerosol detectors	C-14 urea capsules
Manufactured or imported by specific licensee	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Distribution license by NRC only		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Specific final product		✓	✓	✓	✓	✓	✓		✓	✓	✓				✓
Certain nuclides specified		✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓
Quantity limit/product		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓			✓
Concentration or weight % limit	✓										✓				
External radiation level limit		if Pm-147	✓					✓				as packaged			
Various restrictions such as not in toys, adornments, food, beverage, etc.	✓											✓	✓		✓
Safety criteria: a. specific dose limits for use, distribution, etc.													✓	✓	
b. unlikely for change in integrity, containment, shielding													✓	✓	
Labeled with: a. manufacturer			✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
b. product name											✓				
c. identity of radionuclide			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
d. quantity per product												✓		✓	✓
e. specific legend												✓		✓	✓
f. safety instructions											✓	✓			

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[illegible]

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Applicant for a specific license supplies info:															
Method of labeling or sample labels			✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Prototype test procedures and results		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	
prototype tests and standard specified			✓												
Estimated external radiation dose & dose commitment													✓	✓	
Quality control procedures	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Demonstration of ALARA	✓														
User: actions restricted												only as instruction			✓
Licensed user: explicit exemption from Part 20		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	