

BEST PRACTICE TO TRANSPORT

Purpose:

Maersk is committed to ensuring the overall safety of maritime transportation. Therefore, we have created this easy reference document as a step-by-step guide to book certain commodities, which is intended to support the safety of our crew at sea and shoreside, as well as safety of cargo, environment, vessels, and facilities.

Commodity:**CLASS 7 - RADIOACTIVE MATERIAL****Description:**

Radioactive material are articles or substances which spontaneously and continuously emit ionizing radiation that can be harmful to the health of humans and animals and can affect photographic or X-ray film. The most important characteristic is that they have a specific activity which is greater than a specific limit. The limit is different for each individual substance. Radioactive material can give off three kinds of radiation: alpha-, beta- or gamma radiation. For radioactive material, the International Atomic Energy Agency (IAEA) has established standards of safe transport and security which are adopted into international, modal, and national regulations. These regulations are designed to protect people, property, and the environment from the effects of radiation during transport.

Synonyms:

Gamma, Alpha particles, Beta Particles, RAM (Radioactive material), Fissile material, LSA (Low specific activity) material, SCO (Surface contaminated object)

Type of Container:

Accepted in dry container or OT (Open top) containers. Not accepted in reefer or non-operated (NOR) reefer containers, FT (flat rack) or SOC (shippers' own container).

Risk:

As the radiation is dangerous for health (examples: hazard of cancer, birth defects), we must monitor it and keep it as low as possible. The regulation is there to keep the exposure of workers to a safe level, as we are already subject to radiation every day in one form or another, for example: heat, light, and ionizing radiation therefore, we should not panic as soon as we hear the word radioactivity. It is not that dangerous when the amount of radioactivity is kept low. This can be done by ensuring that the quantities shipped are limited, ensure its transported in secure packaging, reducing the time spent near the radioactive parcel and taking some distance from the parcel.

Maersk.com Commodity Description:

Inorganic chemicals, nos

Circumstances under which we accept this commodity:

UN2908/7 Radioactive material – Excepted package – empty packaging
UN2909/7 Radioactive material – Excepted package – articles manufacture from natural uranium or natural thorium
UN2910/7 Radioactive material – Excepted package – limited quantity of material
UN2911/7 Radioactive material – Excepted package – instruments or articles
UN2912/7 Radioactive material – Low specific activity (LSA I), non-fissile or fissile -excepted
UN2913/7 Radioactive material – Surface contaminated objects (SCO-I, SCO-II or SCO-III). Non fissile or fissile-excepted
UN2915/7 Radioactive material – Type A package, non-special form, non-fissile or fissile-excepted
UN2916/7 Radioactive material – Type B(U) package, non-fissile or fissile-excepted
UN2917/7 Radioactive material – Type B(M) package, non-fissile or fissile-excepted
UN3321/7 Radioactive material, Low specific activity (LSA-II), non-fissile or fissile-excepted
UN3322/7 Radioactive material, Low specific activity (LSA-III), non-fissile or fissile-excepted

Only audited and approved shippers can book radioactive with Maersk. All other shippers are prohibited from booking radioactive with Maersk. If you are interested in shipping radioactive for the first time, please contact your local customer service representative or sales representative to be guided. The above cargo will only be accepted on Maersk operated vessels and is also subject to applicable port restrictions if any.

Packing & Stuffing Remarks:

- Consignor / shipper must ensure that all packing-related activities are in full compliance with applicable IMDG packing as per IMDG code chapter 6.4 and 4.1.9.
- As per Code of Practice for Packing of Cargo Transport Units (CTU Code)

Circumstances under which we DO NOT accept this commodity:

UN2909/7 Radioactive material – Excepted package – articles manufacture from depleted uranium

UN2919/7 Radioactive material – Transported under special arrangement, non-fissile or fissile-excepted

UN2977/7 Radioactive material, Uranium hexafluoride, fissile

UN2978/7 Radioactive material, Uranium hexafluoride, non-fissile or fissile-excepted

UN3323/7 Radioactive material, Type C package, non-fissile or fissile-excepted

All other UN numbers under class 7 that is not mentioned above ('circumstances which we accepted this commodity')

Radioactive material with a subsidiary hazard

Radioactive waste

Required documentation when shipped as Dangerous Goods:

- Dangerous Goods Declaration (DGD)
- Container Packing Certificate (CPC)
- Marine insurance if applicable
- Import and export license/permit if applicable
- Competent authority approval if applicable, for example from Maritime Safety authority or similar national competent authority.
- P&I certificate if applicable for Panama Canal transit

How to Book Dangerous Cargo with Maersk:

- Main Website: <https://www.maersk.com/support/faqs/how-to-book-dangerous-cargo>
- EDI (Electronic Data Interface)

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