

Hva er annex 2?

Regulation for the control of pollution by Noxious Liquid Substance in Bulk

Hva er IBC code?

It provides an international standard for the safe carriage by sea of dangerous and noxious liquid chemicals in bulk, to minimize the risks to ships, their crews and the environment.

the code prescribes the design and construction standards of ships and the equipment they should carry, with due regard to the nature of the products involved.

Pollution categorization

Category X, Major hazards: Prohibited. Noxious liquid substances which, if discharged into the sea from tank cleaning or deballasting operations, are deemed to present a major hazard to either marine resources or human health and, therefore, justify the prohibition of the discharge into the marine environment;

Pollution categorization (cont)

Category Y, hazard: Limitations. Noxious liquid substances which, if discharged into the sea from tank cleaning or deballasting operations, are deemed to present a hazard to either marine resources or human health or cause harm to amenities or other legitimate uses of the sea and therefore justify a limitation on the quality and quantity of the discharge into the marine environment

Category Z, minor hazard: Less stringent restrictions. Noxious liquid substances which, if discharged into the sea from tank cleaning or deballasting operations, are deemed to present a minor hazard to either marine resources or human health and therefore justify less stringent restrictions on the quality and quantity of the discharge into the marine environment;

Other substances: discharge small not be subjected to any requirement

Hva menes med "pre wash"?

All the cargo tanks must be emptied as good as possible. For example:

Category X: Mandatory pre wash (to be disposed ashore)

Hva menes med "pre wash"? (cont)

Category Y: Prewash (to be disposed ashore) depending on melting point or viscosity of the cargo

Category Z: No prewash

Other: Not regulated under this annex substances

Oil Record book

The Oil record book shall be kept in such a place as to be readily available for inspection at all reasonable times.

Ship types

IMO Ship type 1: Is a chemical tanker intended for the transportation of products considered to present the greatest overall hazard. The quantity of cargo required to be carried in a ship type 1, could not exceed 1,250 m³ in any one tank

IMO Ship type 2: Is intended to transport products with appreciably severe environmental and safety hazard which require significant preventive measures to preclude escape of such cargo. Should not exceed 3000 m³ in any one tank

IMO Ship type 3: Is a chemical tanker intended to transport products with sufficiently severe and environmental safety hazards. These products required a moderate degree of containment to increase survival capability in damage condition.



hva certificate of fitness?

Every chemical tanker must be provided with an international certificate of fitness for the carriage of dangerous chemicals in bulk, with attached list of cargoes that the ship is fit to carry, a tank plan, tank groups, and a list of additional requirements.

Hva er Håndbok(P&A manual?)

Every ship certified to carry substances of category X, Y or Z shall have on board a manual, " håndbok with is approved by the flag state.

The main purpose of the Manual is to identify for the ship's officers the physical arrangements and all the operational procedures with respect to cargo handling, tank cleaning, slops handling and cargo tank ballasting and deballasting which must be followed in order to comply with the requirements of this Annex.

Carriage of chemicals in bulk

Carriage of chemicals in bulk is covered by regulations in Solas Chapter VII:

Marpol Annex II	Carriage of dangerous goods Regulation for the control of pollution by Noxious Liquid Substances in Bulk
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