



# Document of Compliance Special Requirements for Ships Carrying Dangerous Goods

Issued in the pursuance of the requirements of regulation II-2/19.4 of the International Convention for Safety of Life at Sea, 1974, as amended (applicable to ships constructed on or after 1 July 2002) under the authority of the Government of the Republic of Singapore by Lloyd's Register Asia.

	Particulars of ship
Name of ship	CSAV LAUCA
Distinctive number or letters	9 V J D 4
Port of registry	SINGAPORE
Ship type	Container
Gross tonnage	39,906
IMO number	9351050
Date on which keel laid	27 May 2008

This is to certify:

1. that the construction and equipment of the above mentioned ship was found to comply with the provisions of regulation II-2/19 of the International Convention of Safety of Life at Sea, 1974 as amended; and
2. that the ship is suitable for the carriage of those classes of dangerous goods as specified in the appendix attached hereto, subject to any provisions in the International Maritime Dangerous Goods (IMDG) Code and the Code of Safe Practice for Solid Bulk Cargoes (CS Code) for individual substances also being complied with.

### Important:

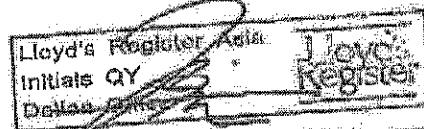
Possession of this Document does not absolve the Master from his responsibility to comply with safe operational procedures including those laid down in the International Maritime Dangerous Goods Code and the Code of Safe Practice for Solid Bulk Cargoes.

This Document is valid until **10 November 2013**

Date of completion of the survey on which this Document of Compliance is based **11 November 2008**

Issued at **Dalian**

on **11 November 2008**



**Q. Yan**  
Surveyor to Lloyd's Register Asia

A member of the Lloyd's Register Group

Note: There are no special requirements in the above-mentioned regulation II-2/19 for the carriage of dangerous goods of classes 6.2 and 7, or for the carriage of dangerous goods in limited quantities as required in chapter 3.4 of the IMDG Code.

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of its information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Appendix I

Cargo spaces carrying Solid Dangerous Goods in bulk  
Name of cargo space Type Classes of Dangerous Goods permitted to be carried

NOTE -

Solid Dangerous Goods in Bulk NOT PERMITTED to be Carried.

\* Type of cargo space, regulation 18.2.2 (see notes)



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Certificate no: DLN 0570512  
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Appendix II (continued)

~~Cargo spaces carrying Dangerous Goods except Solid Dangerous Goods in bulk~~  
Name of cargo space    Type\*    Classes of Dangerous Goods permitted to be carried

\*Type of cargo space, regulation 19.2.2 (see notes)

Appendix II (continued)

Cargo spaces carrying Dangerous Goods except Solid Dangerous Goods in bulk  
Name of cargo space Type\* Classes of Dangerous Goods permitted to be carried

1  
2  
3  
4

\*Type of cargo space, regulation 15.2.2 (see notes)

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### Space Type Definitions

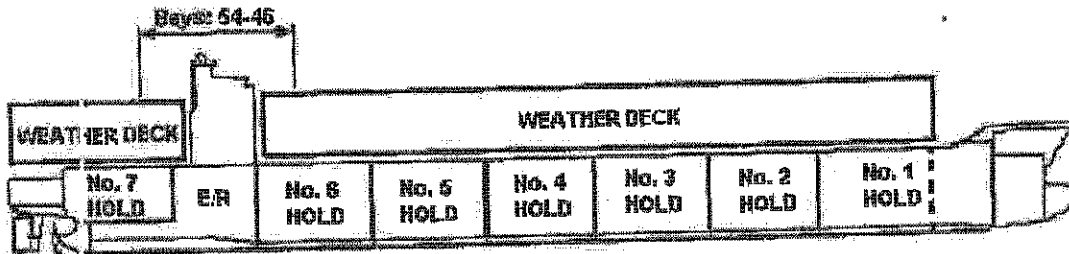
The Space Types listed in Appendices I and/or II of this Document of Compliance refer to the following types of cargo space in which dangerous goods may be carried:

- 1 Ships and cargo spaces not specifically designed for the carriage of freight containers but intended for the carriage of dangerous goods in packaged form including goods in freight containers and portable tanks.
- 2A Purpose-built container ships and cargo spaces intended for the carriage of dangerous goods in freight containers and portable tanks (Open and closed freight containers).
- 2B Purpose-built container ships and cargo spaces intended for the carriage of dangerous goods in freight containers and portable tanks (Closed freight containers and portable tanks only).
- 3A Ro-ro ships and ro-ro cargo spaces intended for the carriage of dangerous goods (Closed ro-ro cargo spaces not capable of being sealed).
- 3B Ro-ro ships and ro-ro cargo spaces intended for the carriage of dangerous goods (Closed ro-ro cargo spaces capable of being sealed).
- 3C Ro-ro ships and ro-ro cargo spaces intended for the carriage of dangerous goods (Open ro-ro cargo spaces).
- 4 Ships and cargo spaces intended for the carriage of solid dangerous goods in bulk.
- 5 Ships and cargo spaces intended for the carriage of dangerous goods other than liquids and gases in bulk in shipborne barges.
- 6 Weather decks, space types 1 to 5 inclusive.

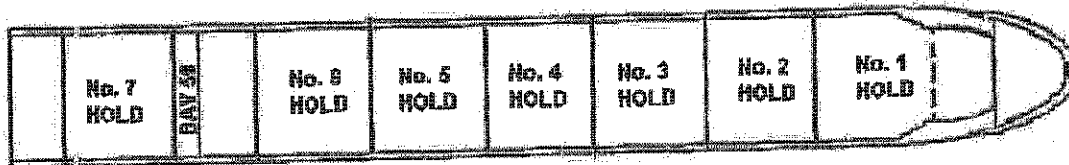
General Notes

- A Goods of Class 1 should not be stowed within a horizontal distance of 6 metres from any fire, machinery exhausts, galley uptakes, lockers used for combustible stores or other potential sources of ignition and not less than a horizontal distance of 11 metres from the bridge, living quarters and life saving appliances.
- B Goods of Class 1 should be stowed 3 metres away from bulkheads forming boundaries between cargo spaces and machinery spaces of category 'A'.  
i.e. goods of Class 1, except goods of Class 1.4(S) should not be stowed in Bays: 46, 47, 50, 53 and 54 on the weather deck.
- C If the weather deck forming a boundary between cargo spaces and machinery spaces of category 'A' is not insulated to A60 standard, dangerous goods are prohibited for the portion of the deck located above the machinery space.
- D When dangerous goods of Classes 2.1, 2.3, 3.1, 3.2, 4, 5.1, 6.1(B), 6.1(C), 6.1(D), 8(B), 8(C) and 9 are carried underdeck, they are to be carried in closed freight containers only.
- E For Classes 2, 3, 6.1, 8 and 9 when carried in closed freight containers in purpose built dedicated container cargo spaces, the ventilation rate may be reduced to not less than two air changes per hour. For the purpose of this requirement a portable tank is a closed container.
- F Lower ventilation is not required for Classes 4 and 5.1 when carried in closed freight containers in purpose built dedicated container cargo spaces. For the purpose of this requirement a portable tank is a closed container.
- G Stowage and segregation of freight containers of different classes of dangerous goods in the hold and on the upper deck in compliance with the applicable requirements of the IMDG Code remain the responsibility of the Master.
- H There are no special requirements in Regulation II-2/19 for the carriage of dangerous goods Classes 6.2 and 7, or for the carriage of dangerous goods in limited quantities as defined in Chapter 3.4 of the IMDG Code.
- I Dangerous goods requiring electrical equipment of a standard greater than T4/IIIB should not be carried underdeck, i.e. substances with an auto ignition temperature of 135 degrees centigrade or less, or goods requiring Group IIC electrical equipment should not be carried underdeck.
- J Portable fire extinguishers with a total capacity of at least 12 kgs of dry powder are to be provided. These extinguishers shall be in addition to any portable fire extinguishers required elsewhere in SOLAS, Chapter II-2, in accordance with SOLAS 1974, as amended, Chapter II-2, Regulation 19, paragraph 2.7. Classes 3, 4, 5.1, 6.1B, 6.1(C), 8(B) and 8(C) dangerous goods are not to be carried on the weather deck until these extinguishers have been provided.
- K Prior to the carriage of any class of dangerous goods, a fixed gas fire extinguishing system must be provided in accordance with SOLAS 1974, as amended, Chapter II-2, Regulation 10, paragraph 7.2.

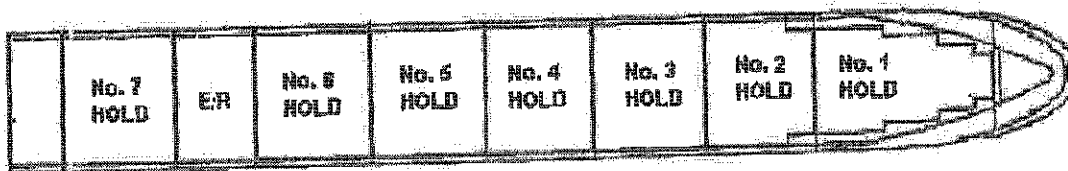
Ship Layout



PROFILE



UPPER DECK PLAN



UNDER DECK PLAN

DANGEROUS GOODS permitted to be carried in following cargo spaces (refer Page: 3) :-

Cargo Hold Nos: 1, 2 & 3.

Weather Deck : Except not Classes: 1.1-1.6 'Explosives' in Bays: 46~54 (in way of accommodation).



Annual surveys

This is to certify that, at a survey, the ship was found to comply with the relevant provisions of SOLAS.

1<sup>st</sup> Annual survey



Signed:

Place of survey SINGAPORE  
Date 26 October 2009

2<sup>nd</sup> Annual survey



Signed:

Place of survey Yangshan  
Date 30 November 2010

3<sup>rd</sup> Annual survey

Signed:

Place of survey  
Date

4<sup>th</sup> Annual survey

Signed:

Place of survey  
Date