



CERTIFICATE OF APPROVAL

No. AP5620

APPROVAL OF THE CATEGORISATION OF COAL AS MATERIALS HAZARDOUS ONLY IN BULK (MHB)

Section 9 of Marine Order 34 (Solid Bulk Cargoes) 2016

I, David Anderson, a delegate of the Australian Maritime Safety Authority, hereby approve the following arrangements for the transport of coal when shipped as a solid bulk cargo:

Coal cargoes tested as described below may be categorised as Materials Hazardous only in Bulk (MHB) when shipped from Australia in solid bulk form.

Test requirements

1. The material is to be tested as prescribed in section 9.2.3.3 of the *International Maritime Solid Bulk Cargoes (IMSBC) Code* and in accordance with the full suite of tests required by section 33 of the *United Nations Manual of Test and Criteria (6th revised edition)*.
2. Where the test results indicate that the material:
 - (i) is not classified as a dangerous good by the N.1 test prescribed under section 33.2.1.4 of the manual; and
 - (ii) is not classified as a dangerous good by the N.5 test prescribed under section 33.4.1.4 of the manual; and
 - (iii) is classified as a Class 4.2 PG III dangerous good by the results of the tests prescribed under section 33.3.1.6.4 of the Manual;
 - a) as a result of repeated testing that has provided variable results (both is, and is not, classified as a Class 4.2 PG III dangerous good) for any one of the tests in section 33.3.1.6.4 of the manual; or
 - b) it is exempted if transported in packages of not more than 450 litres volume, or exempted if transported in packages of not more than 3 m³ volume in accordance with *Figure 33.3.1.3.3.1 : CLASSIFICATION OF SELF-HEATING SUBSTANCES*;

and there is evidence the material does not present self-heating properties consistent with a Class 4.2 PG III product.

Note: Evidence can be history from past voyages with the same product, history of behavior in stockpiles for the same product, or other test regimes

CONDITIONS:

- 1 The special precautions for self-heating coals contained in the appendix to the individual schedule for COAL in Appendix 1 of the *International Maritime Solid Bulk Cargoes (IMSBC) Code* are to be implemented without exception.
- 2 The atmosphere in holds containing this cargo is to be tested daily using the procedures for gas monitoring of coal cargoes contained in the appendix to the individual schedule for COAL.
- 3 All general requirements for all types of COAL contained in the appendix to the individual schedule for COAL are to be complied with. The recommendations in item 5 of the general requirements (monitoring of cargo temperature) in holds containing this cargo is to be taken as mandatory.

4 A copy of this approval is to be made available to Masters of vessels prior to loading if it is relied upon.

This approval shall commence on **01 January 2020** and remains valid until **31 December 2022** unless altered or revoked by AMSA before this occurs.

Date – 17 December 2019

D. Anderson

Head of Cargoes and Technical