



Indian Register of Shipping

PROVISIONAL CERTIFICATE

Place : Mumbai

Date : 5th October 2010

Certificate No : 2010TAC143

TYPE APPROVAL CERTIFICATE

This is to certify that the fire extinguishing chemical, as described below has been approved in accordance with international standard and considered suitable for use in ships classed or intended to be classed with Indian Register of Shipping.

MANUFACTURER : **K.V. FIRE CHEMICALS (I) PVT. LTD.**
Office: Kamala Niwas, Lane – D, Sector-8
Vashi, Navi Mumbai – 400 703, India

Works: Village - Mundhegaon, Taluka - Igatpuri,
Dist - Nashik, 422 403, India

PRODUCT DESCRIPTION : KV-LITE POWEREX (Potassium Allophonate powder)

REFERENCE STANDARDS : - IMO MSC/CIRC. 1315
- UL 299C
- D.G. Circulars

INTENDED APPLICATION : Dry chemical powder for use in approved fixed and portable fire extinguishing systems

CONDITIONS OF APPROVAL : See Annexure

VALIDITY : This approval is valid till 08th September 2011

(U. S. KALGHATGI)
CHIEF SURVEYOR

See Overleaf for Conditions of Issue of this Certificate

ANNEXURE

(TO CERTIFICATE NO. 2010TAC143 DATED 5TH OCTOBER 2010)


The approval is subject to the following conditions:

- 1) It is to be noted that MSC/Circ. 1315 referred as “Reference Standard” in this certificate is for “Approval of Fixed Dry Chemical Powder Fire Extinguishing Systems for the protection of ships carrying Liquefied Gases in Bulk” and it also gives details of the tests for chemical powder. The above approval is in respect of clause 8 of appendix of the circular only, which pertains to testing of dry chemical powder. This certificate of approval does not cover fire extinguishing system described in the above MSC circular.
- 2) Containers supplied with the above dry chemical powder are to be marked with the following in accordance with clause 12.1 of UL 299C:
 - a) Name or identifying symbol of the manufacturer
 - b) Distinctive model number, catalog designation or the equivalent
 - c) The year of manufacture and expiry date
- 3) In addition to the above, following information is to be attached to the containers of the dry chemical powder in the form of a label, tag, stencil or in a similar manner in accordance with clause 13.1 of UL 299C:
 - a) Chemical name of the above product.
 - b) Numerical hazard rating in accordance with Hazardous Material Identification System.
 - c) A list of hazardous materials that are in excess of 1.0 percent of the contents.
 - d) A list of each chemical in excess of 5.0 percent of the contents.
 - e) Information as to what is hazardous about the agent in accordance with the Material Safety Data Sheet (MSDS).
 - f) The manufacturer’s name, mailing address and phone number as shown on the MSDS.

Contd....



- 4) Installation and design instructions are to be provided with each shipment of dry chemical and shall include at least the average application density information in kilograms per square meter.
- 5) Any change in the constituents or manufacturing process affecting the approval is to be intimated to IRS.
- 6) Each particular application is to be specifically approved in conjunction with the relevant fire fighting system and is to be subject to any special instructions and acceptance by the Flag Administrations.


(U. S. KALGHATGI)
CHIEF SURVEYOR