



Indian Register of Shipping

PROVISIONAL CERTIFICATE

Place : Mumbai

Date : 5th October 2010

Certificate No : 2010TAC142

TYPE APPROVAL CERTIFICATE

This is to certify that the fire extinguishing chemical, as described below has been approved in accordance with national 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 SBC (Sodium bi-carbonate powder)

REFERENCE STANDARDS

**: - IS 4308: 2003, "Dry Chemical Powder for Fighting
B and C Class Fires"
- 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. 2010TAC142 DATED 5TH OCTOBER 2010)

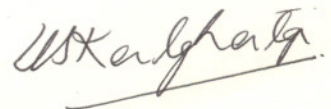
The approval is subject to the following conditions:

- 1) The dry chemical powder
 - is to be white in color as per clause 4.13 of IS 4308:2003.
 - is to be packed in hermetically sealed moisture proof plastic bags or containers lined with plastic in the quantities 1, 2, 5, 10, 25 and 50 kg in accordance with clause 7.1 of IS 4308:2003.
 - of 50 kg weight is to be packed in HM HDP bag conforming to IS 7406 (part 2) in accordance with clause 7.2 of IS 4308:2003.

- 2) Each pack containing dry chemical powder is to be labeled with the following information :
Manufacturer's name or trade-mark, Quantity of Powder in kg, Type : foam compatible, Date of manufacture/Batch No., Percentage of base material and expiry date.

- 3) Any change in the constituents or manufacturing process affecting the approval is to be intimated to IRS.

- 4) 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**