

# **Imaros**



#### **Case Studies in Maltese Ports**

Mevric Zammit Ports and Yachting Directorate Authority for Transport in Malta



Malta, 01/06/2022







- 2019 Pre IMO 2020
- 2850 DWT General Cargo Ship loaded with cement
- Cargo Operations in the Grand Harbour and receiving bunkers from a local Bunker Barge



## **imaros** Spillage during bunkering operation













- From vessel VLSFO 180 CST
- Requested further information from the bunkering supplier





## **Availability of Information**



#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name Product Description Trade Name Product code CAS No. EC No. REACH Registration No.

Vapour pressure Vapour density Relative density Solubility(ies) Partition coefficient: n-octanol/water Auto-ignition temperature Decomposition Temperature Viscosity Explosive properties Oxidising properties

Other information

Fuel oil, residual V2025a-VERY LOW SULPHUR FUEL OIL 180 CST-Fuel oil, residual VERY LOW SULPHUR FUEL OIL 180 CST VLSFO, V2025a 68476-33-5 270-675-6

0.5 kPa @ 20°C >1 (Air=1) 0.80 - 0.99 g/cm<sup>3</sup> @ 15 °C Water: 0.4 mg/l @ 22 °C Slightly soluble. 2.7 - 6 log P > 225 °C Not established. 7 - 20.5 mm<sup>2</sup>/s @ 40 °C (<60 mm<sup>2</sup>/s @ 100 °C) Not explosive. (Vapour may create explosive atmosphere.) Not oxidising.

None known.



## **Recovery Operation**







Co-funded by the European Union



### **Lessons Learnt**



- Limited immediate information
- Low viscosity
- Natural dispersion
- No particular recovery issues





## **Case Study 2**





- August 2021
- Malta Freeport
  Terminals Marsaxlokk
  - Port
- Scattered oil











- 3500 TEU Container
  Vessel
- Minor perforation in the outer shell of F.O tank











#### Co-funded by the European Union



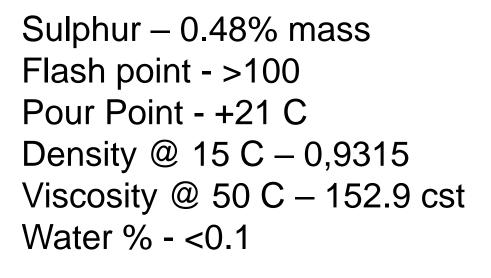




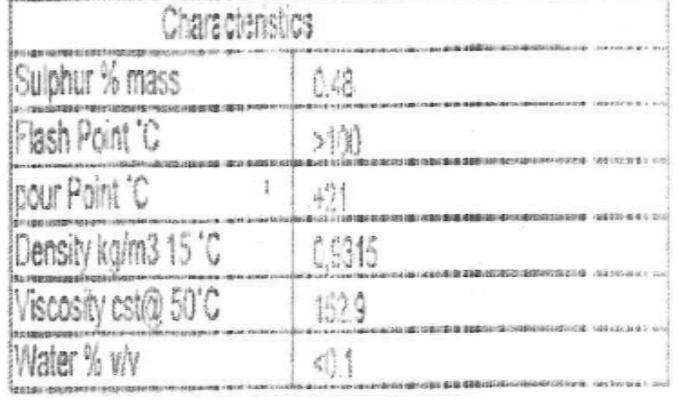


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## **Availability of Information**







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### **Lessons learnt**



- Information immediately available
- Non-persistent
- Easily recoverable

