

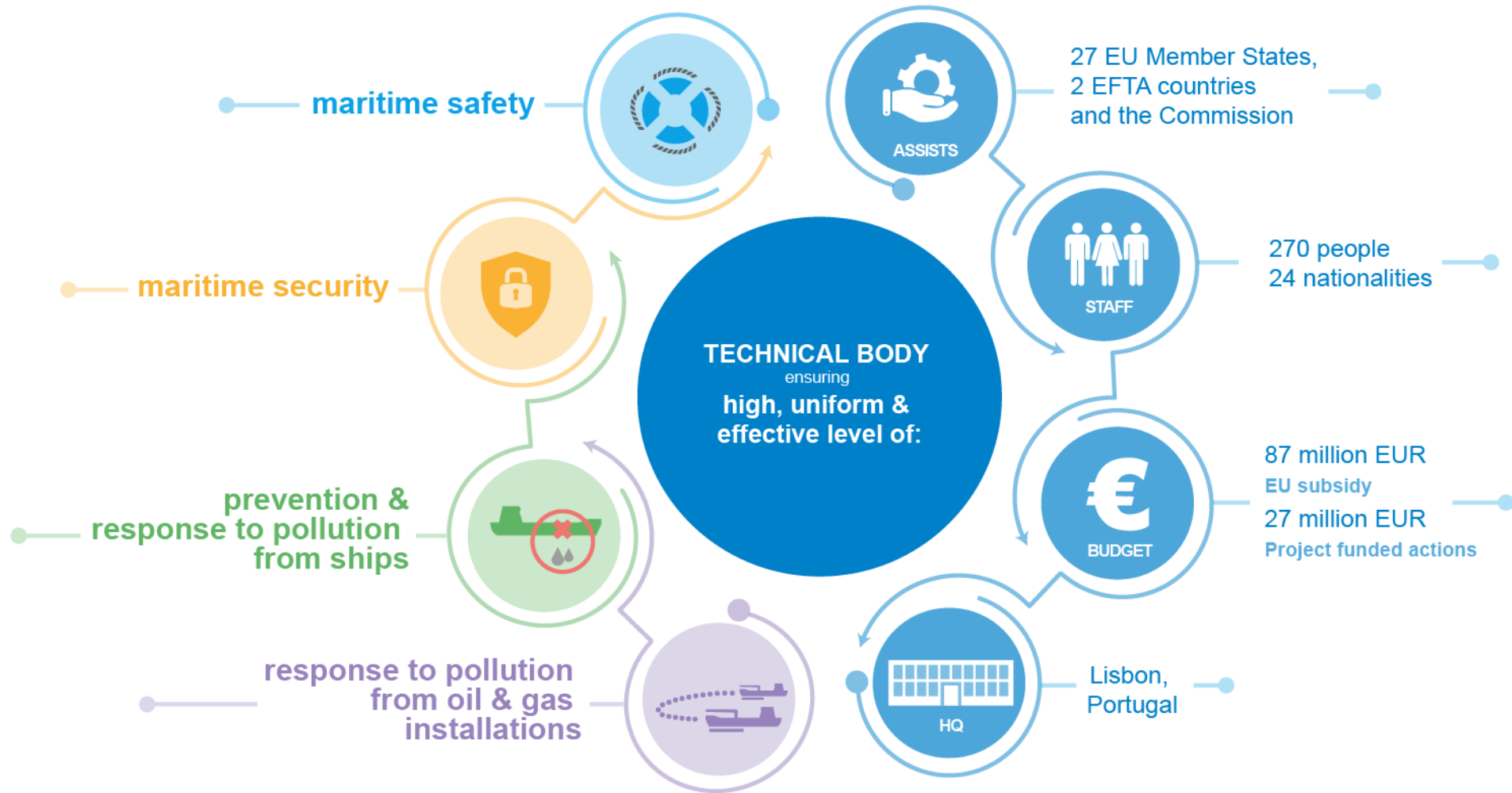
EMSA activities in the field of HNS response

Journée d'information du Cedre

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21 Mars 2024





2007 Action Plan for HNS pollution preparedness and response

- **focus on providing information**
- **maintain a network of experts**

MAR-CIS Information - 257 datasheets

- 2024 - develop 20 new datasheets
- Continue work with MAR-CIS Expert Advisory Group

EMSA MAR-CIS Marine Chemical Information Sheets	
CALCIUM HYPOCHLORITE	
WARNING: Very dangerous. Presence in danger zone only with full protective clothing and breathing apparatus. Very toxic to aquatic life. 604, 677	
IDENTIFICATION	
Name	Calcium hypochlorite
Proper shipping name	CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 10% but not more than 35% available chlorine. 2
Other names (prior to other names section)	- B-K POWDER
	- BLEACHING POWDER
Reference numbers	- CALCIUM HYPOCHLORITE
	- CALCIUM HYPOCHLORITE, HYDRATED, WITH NOT LESS THAN 5.5% BUT NOT MORE THAN 18% WATER
	- CALCIUM OXYCHLORIDE
UN number	2208
CAS number	7778-54-3
EC number	231-908-7 (66)
SUBSTANCE PROPERTIES	
White or yellowish solid. Water soluble. Slowly decomposed by water with the evolution of gaseous chlorine and heat. Dissolver. Commonly handled and transported as solid granules. 2 (66), 604	
Class	Oxidiser 2
Main uses	Water purification, disinfectant for swimming pools, for bleaching paper and textiles. 604
Appearance	White or yellowish solid. 2
Odour	Odour of chlorine. 604
Behaviour (EBCS)	D - dissolver 7

<https://portal.emsa.europa.eu/>



- BE-CHEM tool**
(physical behaviour estimation)

Provide 24/7 expert information service for marine chemical emergencies – level 1



- 24/7 expert available to talk to
- Requesting parties: 27 EU States;
Coastal EFTA/EEA & EU Candidate Countries
- Additional assistance: Risk assessment, Drift & weathering modelling results, Advice on response methods and options



On-site expert advice from chemical industry – level 2





Lisbon, October 2015

Terms of Reference for the Technical Correspondence Group on Hazardous and Noxious Substances (TCG-HNS)

Article 1 - Initiation

The Technical Correspondence Group on Hazardous and Noxious Substances, hereafter called the 'TCG-HNS', has been initiated in 2015 by EMSA under the work of the Consultative Technical Group for Marine Pollution Preparedness and Response (CTG MPPR), as agreed at its 9th meeting. The TCG-HNS shall carry out its work in accordance with these Terms of Reference (ToR) and shall report back to the CTG MPPR.

Article 2 - Objective

The TCG-HNS shall serve as a platform of experts for exchange of knowledge and expertise, including the drafting of a training programme, aiming to explore possible added-value actions in the field of preparedness and response to marine pollution incidents involving hazardous and noxious substances (HNS).

Article 3 – Tasks

More specifically, based on the review of available HNS course material (including the IMO Model HNS Introductory Course) and the TCG-HNS' own experience and expertise, the TCG-HNS is tasked to develop the programme for a training course on HNS marine pollution preparedness and response, including the orders for a table-top HNS exercise. This course will be based on the key principle of sharing expertise among Member States, similarly to the ongoing training courses on marine pollution surveillance systems.

Article 4 - Deliverables

The TCG-HNS is expected to develop the programme /agenda for a HNS course for Member States relevant administrations in 2016, to be delivered in 2017; interested members from the Group may contribute to the course as trainers.

Article 5 - Composition

The Group will be comprised of national experts from EU, EFTA/EEA and Candidate Countries in the field of HNS response operations, marine pollution response training, HNS contingency planning, or chemical experts, to be nominated by the respective CTG MPPR members. The work will be led by a Member State, and EMSA will provide the secretariat to the Group. If deemed necessary, and subject to agreement by EMSA, industry representatives may be asked to participate in the work of the TCG-HNS.

Response to HNS in Bulk France 2022



Response to HNS in package form Sweden 2024



Replies to questionnaire:

- **Need for information on what is transported around Europe**
- **Need for harmonized training**
- **Need for equipment (but which one?)**

Scope of SSN Hazmat pilot project, in blue

Hazmat transported in EU waters (unknown)

Hazmat cargo that passes in EU waters but not stopping at an EU port (unknown)

SSN Hazmat reports from port departures (typically, in one month 16600 hazmat reports)

SSN Hazmat reports, departures from a non-EU port bound to an EU port (~21%)

SSN Hazmat reports, departures to an EU port (~79%)

SSN Hazmat reports not successful (~18%)

SSN Hazmat successful reports (~82%)

SSN Hazmat successful reports, not passing the "cleaning process" (2.8%)

SSN Hazmat successful reports, passing the "cleaning process" (97.2%)

IMDG (71.8%)

IBC (7.0%)

IMSBC (3.2%)

Marpol Annex I (14.6%)

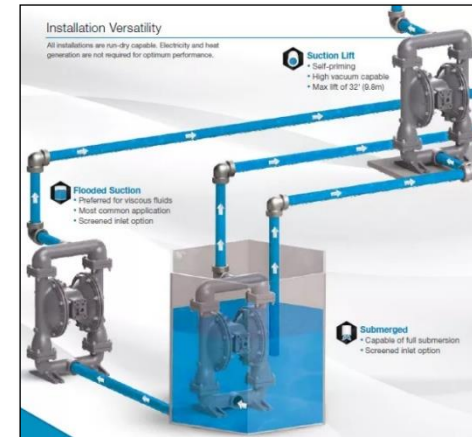
IGC (3.3%)

Establishment of a correspondence group to develop 2 courses:

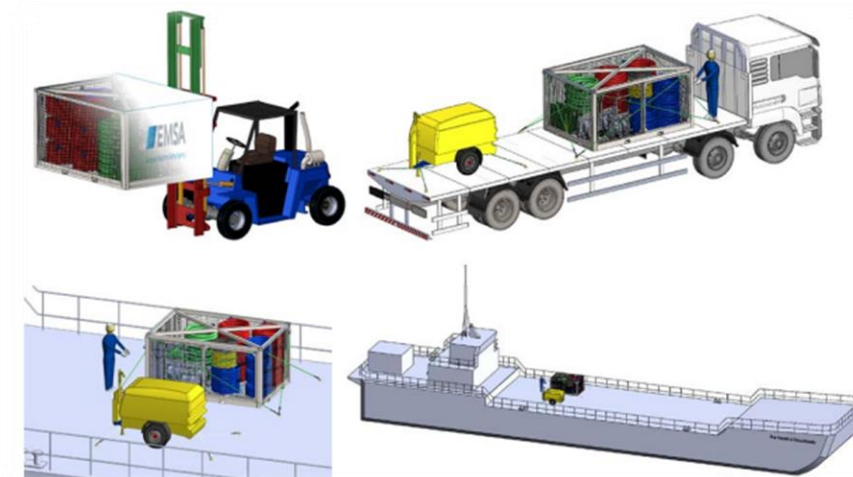
- **Support to incident manager**
- **HNS response on board ships for non maritime personel**

Main Components of each Set:

- ✓ 3 types of Air-operated double-diaphragm (AODD) ATEX Zone II certified pumps
- ✓ Air filter regulator. Water separator.
- ✓ Cover a wide range of chemicals
- ✓ Individual max. Pump capacity: 42m³/h
- ✓ Independent & mobile air compressor: 82 l/s, 5-10 bar, with 3 air out-takes
- ✓ Air hoses, 25mm, cargo transfer hoses 2"
- ✓ Storage, transport and handling



AODD pumps





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