

Destroying Syrian chemical weapons at sea

A specially adapted U.S. cargo vessel is to destroy hundreds of tonnes of Syria's chemical weapons in international waters. The operation is expected to take several weeks to complete

1 Weapons packaged into 78 freight containers and transported by Syrian army convoys from two marshalling centres outside Damascus and Homs to country's largest port, Latakia

2 Containers loaded onto Danish ship, *Ark Futura*, and transferred to U.S. Navy auxiliary vessel *MV Cape Ray* at Italian port. *Cape Ray* sails to open sea to neutralize chemicals

MV CAPE RAY: Roll-on-roll-off vessel fitted with two hydrolysis units

Length: **200m** Crew: **25**
Displacement (full load):
30,000 tonnes

FIELD DEPLOYABLE HYDROLYSIS SYSTEM (FDHS)
New system designed to be deployed anywhere in world within 10 days

Personnel decontamination station

Air-filtration system

Titanium reactor
Capacity: **8,328 litres**
Can process up to 25,000kg per day

FDHS manned by crew of 15 technicians at any given time. Process expected to take 45-60 days

Waste containers

MATERIAL TO DESTROY
Around 500 tonnes of chemicals, including sarin and mustard gas

Process will produce around 7.7m litres of effluent packed in 4,000 containers

