

## PROJECT OUTPUTS. TOOLS DEVELOPED

# HNS DATABASE

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## ACCESS/DOWNLOAD AT

<https://manifests-project.eu/hns-database/>



## APPLICATION AND USE

## Purpose/objective of the tool

An online chemical database providing access to over 600 chemicals, each with up to 100 physical and chemical parameters.

## Applications of this tool

- Characterisation and knowledge of HNS
  - Contingency planning and guidance
  - Modelling
  - Risk assessment
  - Training and exercising

## How to use it

On the main page, users can click any HNS for details or search by name, CAS or UN numbers using the 'Search' field. The provider refers to the source of the chemical information. Users can navigate pages using the bottom-right controls. HNS entries are listed alphabetically, with some repeated due to the two data providers. Users can indeed choose data from either Cedre (lab-measured or collected through European projects like HNS-MS) or REMPEC (literature-based data from MIDSIS-TROCS).



## Key features and functionalities

The chemicals available are from the MIDSIS-TROCS database (from REMPEC) and from the HNS-MS database (from Cedre). It can be used easily by a user looking to retrieve data for a chemical or can be accessed from an API.

## Results or outputs produced

- General description of the substance (CAS and UN numbers, Gesamp profile, MARPOL Classification, etc.)
  - Physico-chemical properties (density, hydrosolubility, vapour pressure, etc.)
  - Behaviour at sea
  - Ecotoxicity
  - Hazards
  - Gesamp Hazard profile

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## TECHNICAL REQUIREMENTS

### Devices the tool can run on

- PC
- Mobile devices
- Tablet

### Integration with other software/systems/tools

The database is linked with the modelling app of the MANIFESTS DSS.

## TARGET AUDIENCE

### Target audience

- Port and maritime authorities
- Coastguards
- Emergency responders (Civil protection, firefighters, army, police officers, etc)

### Type of knowledge background

#### required to use this tool

Users should be able to interpret key parameters to extract relevant information for emergency response.

## ACCESS

### Permissions required

The tool is open to the public.

## USER GUIDANCE

### User guides or manuals available

MANIFESTS DSS User guides:

<https://manifests-project.eu/documents/27/D5.3 - MANIFESTS DSS - User guides.pdf>

### Dissemination materials

A PowerPoint presentation is provided during the training session.

## UPDATES AND NEW FUNCTIONALITIES

### Update planned for this tool in the framework of the MANIFESTS Genius project

The database will be updated with experimental data from Cedre collected at various environmental conditions (e.g. hydrosolubility, evaporation rates).

## FEEDBACK

### Support email

For each chemical entry, users may click on 'Report a Mistake' to indicate any inaccuracies in the information provided.