



Co-funded by
the European Union

TRAINING SLIDES

HNS DATABASE



1 OVERVIEW OF THE TOOL

PROBLEM STATEMENT

In the event of an HNS pollution event, or for a training session or counter-pollution exercise, this online database offers quick and easy access to useful, updated and complete information in form of downloadable datasheets.

OBJECTIVE

The HNS Database aims to provide access to useful information to over 600 chemicals identified as HNS.

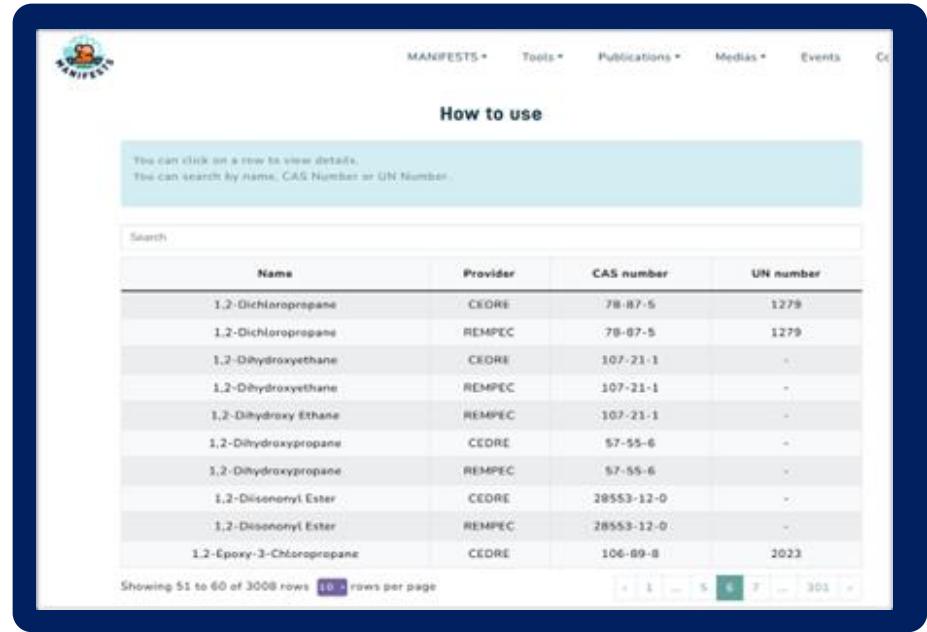
DATA USED

- Ecotoxicity.
- Description (CAS number, UN number).
- Physico-chemical properties.
- Behaviour at sea.
- Hazards.
- GESAMP profile.

HOW IT WORKS

The online database is an alphabetical list of chemicals with detailed information in a technical datasheet for each chemical. The user can access this information by clicking on a row to view details or search by name, CAS Number or UN Number.

Each datasheet is available to download in json format.



Name	Provider	CAS number	UN number
1,2-Dichloropropane	CEDRE	78-87-5	1279
1,2-Dichloropropane	REMPEC	78-87-5	1279
1,2-Dihydroxyethane	CEDRE	107-21-1	-
1,2-Dihydroxyethane	REMPEC	107-21-1	-
1,2-Dihydroxy Ethane	REMPEC	107-21-1	-
1,2-Dihydroxypropane	CEDRE	57-55-6	-
1,2-Dihydroxypropane	REMPEC	57-55-6	-
1,2-Dioisobutyl Ester	CEDRE	28553-12-0	-
1,2-Dioisobutyl Ester	REMPEC	28553-12-0	-
1,2-Epoxy-3-Chloropropane	CEDRE	106-89-8	2023

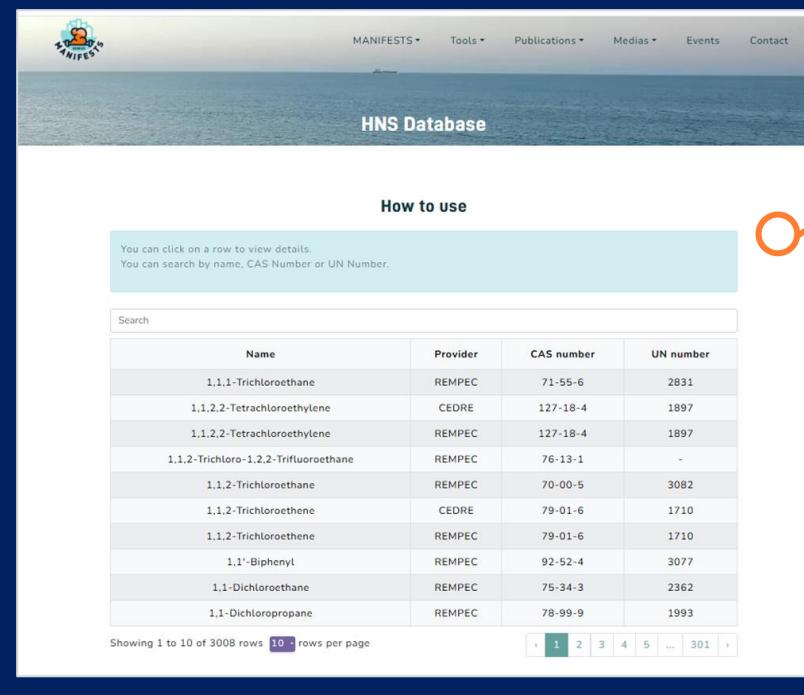
Showing 51 to 60 of 3000 rows

2 HOW IT WORKS & KEY RESULTS

USE CASE

To look for detailed information about a particular chemical involved in an accident, so the responders can have relevant information about its properties, behaviour at sea, ecotoxicity, etc.

OUTPUT EXAMPLE

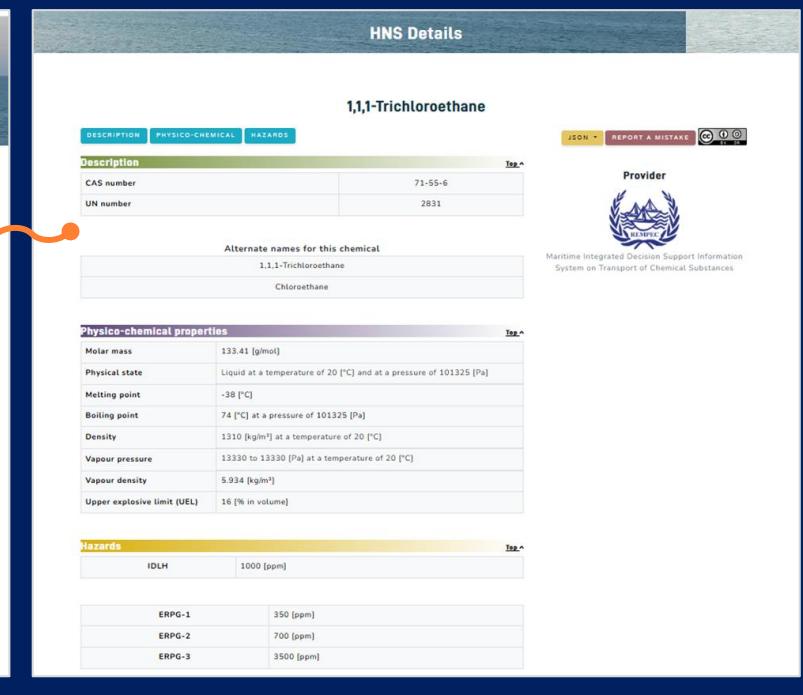


How to use

You can click on a row to view details.
You can search by name, CAS Number or UN Number.

Name	Provider	CAS number	UN number
1,1,1-Trichloroethane	REMPEC	71-55-6	2831
1,1,2,2-Tetrachloroethylene	CEDRE	127-18-4	1897
1,1,2,2-Tetrachloroethylene	REMPEC	127-18-4	1897
1,1,2-Trichloro-1,2,2-Trifluoroethane	REMPEC	76-13-1	-
1,1,2-Trichloroethane	REMPEC	70-00-5	3082
1,1,2-Trichloroethane	CEDRE	79-01-6	1710
1,1,2-Trichloroethene	REMPEC	79-01-6	1710
1,1'-Biphenyl	REMPEC	92-52-4	3077
1,1-Dichloroethane	REMPEC	75-34-3	2362
1,1-Dichloropropane	REMPEC	78-99-9	1993

Showing 1 to 10 of 3008 rows rows per page 1 2 3 4 5 ... 301 >



HNS Details

1,1,1-Trichloroethane

Description

CAS number	71-55-6
UN number	2831

Alternate names for this chemical

1,1,1-Trichloroethane
Chloroethane

Provider

Maritime Integrated Decision Support Information System on Transport of Chemical Substances

Physico-chemical properties

Molar mass	133.41 [g/mol]
Physical state	Liquid at a temperature of 20 [°C] and at a pressure of 101325 [Pa]
Melting point	-38 [°C]
Boiling point	74 [°C] at a pressure of 101325 [Pa]
Density	1310 [kg/m³] at a temperature of 20 [°C]
Vapour pressure	13330 to 13330 [Pa] at a temperature of 20 [°C]
Vapour density	5.934 [kg/m³]
Upper explosive limit (UEL)	16 [% in volume]

Hazards

IDLH	1000 [ppm]
ERPG-1	350 [ppm]
ERPG-2	700 [ppm]
ERPG-3	3500 [ppm]