



Co-funded by
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TRAINING SLIDES

HNS DATABASE



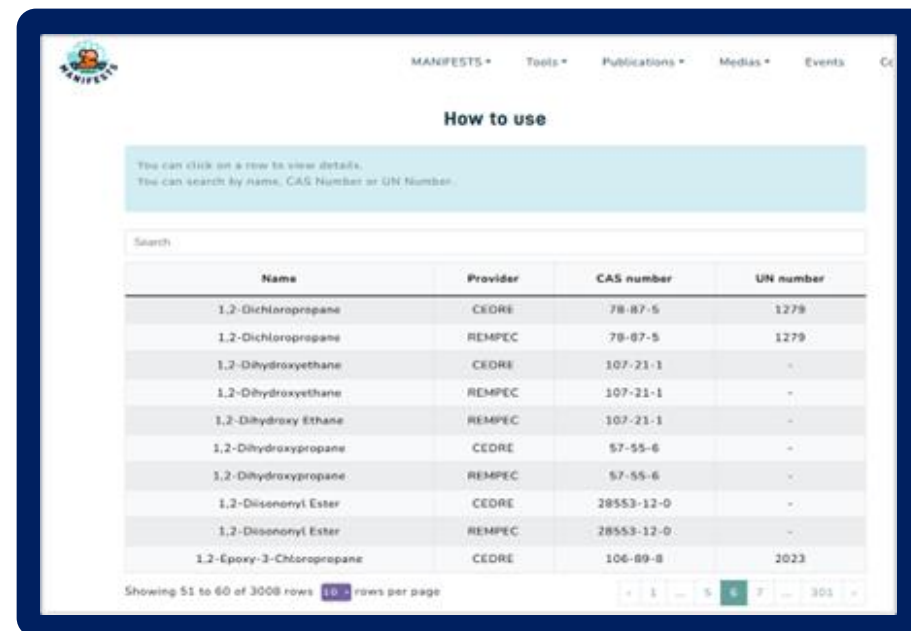
1 OVERVIEW OF THE TOOL

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.



The screenshot shows the HNS Database website interface. At the top, there is a navigation bar with links: MANIFESTS, Tools, Publications, Medias, Events, and Co. Below the navigation bar, there is a section titled "How to use" with a light blue background. It contains the text: "You can click on a row to view details. You can search by name, CAS Number or UN Number." Below this, there is a search bar labeled "Search". The main content area displays a table with the following columns: Name, Provider, CAS number, and UN number. The table lists several chemicals, including 1,2-Dichloropropane, 1,2-Dihydroxyethane, 1,2-Dihydroxypropane, 1,2-Dihydroxy Ethane, 1,2-Dihydroxypropane, 1,2-Disononyl Ester, and 1,2-Epoxy-3-Chloropropane. The table is paginated, showing 51 to 60 of 3008 rows, with 10 rows per page. The current page is 6, and there are 301 pages in total.

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-Disononyl Ester	CEDRE	28553-12-0	-
1,2-Disononyl Ester	REMPEC	28553-12-0	-
1,2-Epoxy-3-Chloropropane	CEDRE	106-89-8	2023

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.



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

MANIFESTS

Tools

Publications

Medias

Events

Contact

HNS Database

How to use

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

Search

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-Trichloroethene	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 10 rows per page

1

2

3

4

5

...

301

HNS Details

1,1,1-Trichloroethane

DESCRIPTION

PHYSICO-CHEMICAL

HAZARDS

JSON

REPORT A MISTAKE

CC BY

Description

Provider

CAS number

71-55-6

UN number

2831

Alternate names for this chemical

1,1,1-Trichloroethane

Chloroethane

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]

Maritime Integrated Decision Support Information System on Transport of Chemical Substances