

HSELINE: Health and Safety database

Date revised: 2 August 2021

The HSELINE: Health and Safety database is produced by the United Kingdom Health and Safety Executive (HSE) Library and Information Services. It covers all aspects of health and safety at work. The database has references for the UK Health and Safety Commission, and the Health and Safety Executive's publications. Also covered are books, government publications, reports, translations, standards, guidance, conference proceedings, decided cases, and legislation in the UK and elsewhere relevant to health and safety at work. Both national and international journals are abstracted. The database is rich in informally published – 'grey' – literature relating to health and safety. Please note that due to how the data is supplied, there are occasionally variations in the indexing/display of certain data items.

The database reflects HSE's wide subject interests, related to health and safety. Core subjects include but are not limited to:

- Science and Technology
- Manufacturing industries
- Agriculture
- Occupational health and hygiene
- Explosives
- Engineering
- Mining
- Offshore oil and gas technology
- Transportation
- Nuclear technology

Date Coverage

1977–2015

Update Frequency

Closed

Geographic Coverage

United Kingdom
International

Document Types

- Journal Articles
- Books
- Reports

Publisher

The HSELINE: Health and Safety database is provided by the UK Health and Safety Executive Library and Information Service.

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Information Services
Edgar Allen House
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HSELINE: Health and Safety

Citation/Abstract [← Back to results](#)

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TI **IGNITED RELEASES OF LIQUID HYDROGEN: SAFETY CONSIDERATIONS OF THERMAL AND OVERPRESSURE EFFECTS**
AU,AUFN,AULN Hall, J; Hooker, P; Willoughby, D. [International Journal of Hydrogen Energy](#) 39.35. (Dec 2014). [Pricing](#)

Highlighting: [Off](#) | [Single](#) | [Multi](#)

AB **Abstract (summary)** [Translate](#)
 If the 'Hydrogen Economy' grows, then more hydrogen fuelling stations will be required. At present, there is an absence of a hydrogen distribution network, so liquid (LH2) hydrogen road tankers will supply these stations. The aim of this research was to determine the hazards and severity of a realistic ignited spill of LH2. The resulting data was used to propose safety distance for LH2 offloading facilities that will help to update and develop guidance for codes and standards. The authors, Jonathan Hall, Phillip Hooker and Deborah Willoughby are members of staff of the Health and Safety Laboratory.

Indexing (details) [Cite](#)

SU,IF	Identifier (keyword)	Secondary explosions, Thermal radiation, Overpressure, Vapour cloud
TI	Title	IGNITED RELEASES OF LIQUID HYDROGEN: SAFETY CONSIDERATIONS OF THERMAL AND OVERPRESSURE EFFECTS
AU	Author	Hall, J; Hooker, P; Willoughby, D
LA	Language	English
SL	Language of abstract	English
DTYPE	Document type	Report
PUB	Publication title	International Journal of Hydrogen Energy
SRC	Source details	International Journal of Hydrogen Energy; Dec. 2014, vol.39, no. 35, 20547-20553
VO	Volume	39
ISS	Issue	35
PG	Notes	Originally presented as a conference paper at ICHS 2013: International Conference on Hydrogen Safety, Brussels, Belgium, 9-11 October 2014.
PSTYPE	Publication date	Dec 2014
NT	Source attribution	HSELine, © Publisher specific
PD,YR	Accession number	545489
AN	Document URL	http://search.proquest.com/professional/docview/1628888743?accountid=166878
FAV	First available	2014-12-01
UD	Updates	2014-12-01
	Database	HSELINE: Health and Safety (1977 - current)

Search fields

Field Name	Field Code	Example	Description and Notes
Abstract	AB	ab("hydrogen economy")	Use adjacency and/or Boolean operators to narrow search results.
Abstract present	ABANY	(organi?ation* PRE/2 chang*) AND abany(yes)	Add: AND ABANY(YES) to a query to limit retrieval to records with abstracts.
Accession number	AN	an(545489)	A unique document identification number assigned to every record.
All fields	ALL	all(codes NEAR/1 standards)	Searches all fields in bibliographic databases. Use adjacency and/or Boolean operators to narrow search results.
All fields	--	codes N/1 standards	Same as ALL field code. Searches all fields in bibliographic databases.
Author affiliation	AF	af("health and safety executive")	Includes as much data as is available in the original document, such as department, organization, address, city, state, country, author email, etc.
Author ¹ Author First Name Author Last Name	AU AUFN AULN	au(willoughby d*) au(d*) au(willoughby)	Includes all Authors.
First author	FAU	fau("hall, j")	First name listed in Author field.
Corporate author	CA	ca(warwick university)	Displays as Corporate/institutional author.
Document title	TI	ti("ignited releases of liquid hydrogen")	Includes Alternate Title & Original Title (OTI), but not Publication Title (PUB).
Alternate title	OTI	oti(attitudes) oti(PRUFBERICHT ZU PRUFBESCHEINGUNGSNUMMERN)	Includes both Alternate and original-language of document title, if available.
Document type	DTYPE	dtype(report)	
Edition	EN	en(second or 2nd)	Present in relatively few records.
First available	FAV	fav(20141201)	Indicates the first time a document was loaded in HSELINE. It will not change however many times the record is subsequently reloaded, as long as the accession number does not change.
From database ²	FDB	"hexavalent chromium" AND fdb(hseline) "hexavalent chromium" AND fdb(1008255)	Useful in multi-file searches to isolate records from a single file. FDB cannot be searched on its own; specify at least one search term then 'AND' it with FDB. FDB can be used with either the database name or the database ID number.
Issue	ISS	iss(35) iss(s*)	
Journal title	JN	pub(international journal of hydrogen energy)	See also Publication title.

¹ A Lookup/Browse feature is available for this field in the Advanced Search dropdown or in Browse Fields.

² Click the "Field codes" hyperlink at the top right of the Advanced Search page. Click "Search syntax and field codes", then click on "FDB command" to get a list of database names and codes that can be searched with FDB.

Field Name	Field Code	Example	Description and Notes
Keyword/identifier	IF	if("thermal radiation")	Author keywords. Also searchable with SU.
Language	LA	la(english)	The language in which the document was originally published.
Language of abstract	SL	sl(english)	
Notes	NT	nt(international conference on hydrogen safety AND 2013)	General notes such as content details or availability, or Biographical notes.
Pagination	PG	pg(20547-20553)	The start page is searchable on the Look Up Citation page.
Publication date	PD	pd(201412) pd(>=20130101)	Date range searching is supported.
Publication title ¹	PUB	pub("international journal of hydrogen energy")	You can also use JN for searching just the journal title.
Publication year	YR	yr(2014) yr(2010-2012) yr(>2013)	Date range searching is supported.
Publisher	PB	pb("oxford university press")	Name and/or location can be present. Health and Safety Executive often abbreviated to "HSE".
Series title	SR	sr(bulletin no fod 2-2014)	Present in relatively few records
Source information	SRC	src(dec 2014)	Includes Publication Title, Issue, Volume, ISSN, Publication Date, and Pagination. Also searchable via the Look Up Citation tool.
Subjects ¹	SU	su(overpressure)	Also searchable with IF field code.
Title	TI	See Document Title	
Updates	UD	ud(2014-12-01)	
Volume	VO	vo(39)	Also searchable via the Look Up Citation tool.

Search tools

Field codes are used to search document fields, as shown in the sample document. Field codes may be used in searches entered on the **Basic Search**, **Advanced Search**, and **Command Line** search pages. **Limit options**, **Look up lists**, and **"Narrow results by" filters** tools are available for searching. Some data can be searched using more than one tool.

Limit options

Limit options are quick and easy ways of searching certain common concepts. Check boxes are available for:
Abstract included

Short lists of choices are available for:
Document type, Language

Date limiters are available in which you can select single dates or date ranges for the date of **publication** and **updated**.

Lookup lists

You can browse the contents of certain fields by using Look Up lists. These are particularly useful to validate spellings or the presence of specific data. Terms found in the course of browsing may be selected and automatically added to the Advanced Search form. Look Up lists are available in the fields drop-down:

Authors, Publication titles, Subjects

“Narrow Results By” filters

When results of a search are presented, the results display is accompanied by a list of “Narrow results by” options shown on the right-hand panel. Click on any of these options and you will see a ranked list showing the most frequently occurring terms in your results. Click on the term to apply it to (“narrow”) your search results. “Narrow results by” filters in HSELINE: Health and Safety include:

Author, Language, Publication title, Subject, Record type, Publication date

Look up citation

If you need to trace a particular bibliographic reference, use the Look Up Citation feature. Find a link to this toward the top left of the Advanced Search page, or in the drop list under Advanced on any search form; click this and you will go to a form where you can enter any known details of the citation, including document title, author, journal name, volume, issue, page, publication date, ISSN.

Document formats

You can **view** search results online in Brief View, Detailed View, KWIC, or Preview formats.³

View ⁴	Description	Online	Export/Download
Brief view result listing	Title and Publication date	✓	
Detailed view result listing	Same as Brief view plus a 3-line KWIC window	✓	
KWIC (Keyword in context)	Detailed view plus all occurrences of your search terms, highlighted within the fields where the terms occur	✓	✓
Preview	Title, Author, Publication title, Volume, Issue, Pagination, Publication date, Abstract, Subject	✓	

To **save** records, click the checkbox next to the records then click “Export/Save.” Under “Output To” choose one of the output options, e.g., Data Star Tagged, EndNote, HTML, etc. The output option you choose will determine the formats available under “Content”.⁵

Document format	Description	Online	Export/Download
Brief citation	Bibliographic record minus Abstract, Indexing and References	✓	✓
Citation	Bibliographic record plus Indexing.	✓	✓
Citation/Abstract	Complete bibliographic record	✓	✓

³ To view a more complete record, click on one of the pre-defined formats listed beneath the title in your Results list, e.g., Brief Citation, Citation/Abstract, Full Text, etc.

⁴ The data contained in each view may vary by database and by the type of account you have, e.g., subscriber or transactional.

⁵ For example, if you choose to output in XML, you can only get the most complete record available. Text Only, PDF, RTF, XLS and HTML output options allow the most format choices.

Full text	The complete record with full text	✓ ⁶	✓
Full text + graphics	Complete record with full text plus graphics	✓	✓
Full text PDF	PDF version of the original article	✓	
Link to full text	A link to the original document.	✓	
Custom	To design your own download format, choose the “Custom” format option in the Export/Save menu, and check the fields to be downloaded.		✓ ⁷

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⁶ Full text is not available for Export/Download where only A&I (abstract & indexing) data is available.

⁷ The Custom export/download format is available in the following mediums only: HTML, PDF, RefWorks, RTF, Text only.