

Ei EnCompassLit™

FILE DESCRIPTION

Ei EnCompassLit™ provides comprehensive coverage of the literature related to the petroleum, petrochemical, natural gas, and energy related industries. It corresponds to the following bulletins of technical literature abstracts available electronically: *Petroleum Refining & Petrochemicals*, *Health & Environment*, *Transportation & Storage*, *Petroleum Substitutes*, *Catalysts/Zeolites*, *Tribology*, *Reformulated Fuels*, and *Oilfield Chemicals*. The file also includes relevant index records to five secondary sources. From June 2001 forward, Ei EnCompassLit also includes current business/economic news, formerly included in API EnCompass: News.

File 354 is the public access file; non-subscribers are limited to **two hours per year of combined time** in Ei EnCompassLit (File 354) and Ei EnCompassPat (File 353). File 954 is available to subscribers only.

SUBJECT COVERAGE

The subject coverage of Ei EnCompassLit includes:

- Air, land, and water pollution control
- API Standards and specifications
- Catalysis
- Corrosion
- Energy conservation and alternate energy sources
- Environmental issues
- Fuels, lubricants, and other petroleum products
- Government regulations
- Health and safety
- Mergers and acquisitions
- Natural gas
- Oilfield chemicals
- Petrochemical processes and products
- Petroleum refinery processes and engineering
- Pipelines, tankers, and storage
- Process control
- Refining
- Supply and demand
- Synthetic fuels
- Transportation and storage

SOURCES

Ei EnCompassLit contains information from approximately 365 English- and non-English-language sources, including technical journals and reports; meetings, papers, and preprints; trade magazines; and dissertations. Additional information is selected from these secondary sources:

- *Chemical Abstracts*
- *Petroleum Abstracts*
- *British Maritime Technology Abstracts*
- *Aqualine Abstracts*
- *Gas Abstracts*

For a complete source list, contact the Ei EnCompassLit Marketing Department.

TIPS

USE FILE 354

to perform in depth searches on petroleum and petrochemical industry topics using linked terms. Search petrochemical industry business topics from June 2001 forward.

USE MAP

to transfer CAS® Registry Numbers to other files for further searching.

MAP RN S1 TEMP

USE ROLE SUFFIXES

to narrow a CAS® Registry Number or Descriptor search. Use these roles: -A (chemical reaction starting material); -N (no role specified); -P (chemical reaction product)

S RN=74-99-7A; S HYDROCARBON-P

DIALOG FILE DATA

Inclusive Dates:

1964 to the present. Business information from June 2001 to present. (File 354)
1964 to the present (File 954)

Update Frequency:

Weekly (approximately 450 - 500 records per update)

File Size: 662,921 records as of July 2001 (File 354)
592,016 records as of February 1998 (File 954)

CONTACT

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SAMPLE RECORD

DIALOG(R)File 954:Ei EnCompassLit
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DN= 0523063 EnCompassLit Document No.: 4101587
/TI Hydrogenation of propyne to prop(yl)ene over platinum/silica
AU= Author: Jackson S D; Kelly G
CS= Corporate Source: ICI Katalco
SO=, SN= Source: Journal of Molecular Catalysis (ISSN 0304-5102) V87 N.2-3
 275-86 (2/4/94)

LA= Language: English
SN= ISSN: 0304-5102
CD= CODEN: JMCADS
JN= Journal Name: Journal of Molecular Catalysis
DT= Document Type: JOURNAL ARTICLE
PD= Publication Date: 940204

/SH, SH= Ei EnCompassLit Bulletin Headings: CATALYSTS/ZEOLITES; CHEMICAL PRODUCTS;
 CHEMICALS-PROCESSING CATALYSTS; PETROLEUM REFINING AND
 PETROCHEM; PURE HYDROCARBONS

/AB Abstract:
 Hydrogenation of propyne to prop(yl)ene over platinum/silica was studied at 333-673 K and C(sub)3H(sub)4/H(sub)2 ratios from 1:2 to 2.5:1. The orders of reaction, with respect to propyne, for propylene formation were -0.02 at 333 K, -0.04 at 373 K, and -0.13 at 423 K. Accurate values could not be determined at higher temperatures due to catalyst deactivation. The order of reaction, with respect to H(sub)2, was 0.80 at 333 K. No values were obtained at higher temperatures since above 423 K propane was the only product. At low temperatures, the carbonaceous residue increased the turnover frequency, but as the temperature increased, increasing H(sub)2 pressure was required to maintain the residue in a form which did not poison the system. Tables and graphs.

/DE, IN=, AT= Index Terms: ACETYLENIC-A; *ACTIVITY; *C3-NA*P; *CATALYST; *CATALYST ACTIVITY; CATALYST POISONING; CATALYST SUPPORT; DEACTIVATION; DETERIORATION; ELEMENT-NA; GROUP IVA; GROUP VIA; GROUP VII; *HYDROCARBON-NA*P; HYDROGEN-A; *HYDROGENATION; IDE; IMPERIAL CHEMICAL; *KINETICS; LOW TEMPERATURE; *MONOLEFINIC-*P; OPERATING CONDITION; OXYGEN; PARTIAL PRESSURE; *PHYSICAL PROPERTY; PLATINUM; PLATINUM METALS; PRESSURE; PROPANE; *PROPENE-*P; PROPYNE-A; SATURATED CHAIN; SILICA; SILICON; *SINGLE STRUCTURE TYPE-NA*P; TEMPERATURE; TEMPERATURE 125 TO 200 C; TEMPERATURE 200 TO 300 C; TEMPERATURE 300 TO 600 C; TEMPERATURE 40 TO 80 C; TEMPERATURE 80 TO 125 C; *TERMINAL OLEFINIC-*P; *TURNOVER NUMBER; *UNSATURATED CHAIN-A*P; *USE

RN= CAS Registry Numbers: *115-07-1*P; 74-98-6; 74-99-7A; 7631-86-9
CT= Sets of Linked Terms: 0006
LT= Linked Terms:
 74-99-7A; ACETYLENIC-A; C3-A; HYDROCARBON-A; PROPYNE-A; SINGLE STRUCTURE TYPE-A; UNSATURATED CHAIN-A
 115-07-1P; C3-P; HYDROCARBON-P; MONOLEFINIC-P; PROPENE-P; SINGLE STRUCTURE TYPE-P; TERMINAL OLEFINIC-P; UNSATURATED CHAIN-P
 7631-86-9; CATALYST; ELEMENT; GROUP IVA; GROUP VIA; GROUP VIII; IDE; OXYGEN; PLATINUM; PLATINUM METALS; SILICA; SILICON; USE
 7631-86-9; CATALYST SUPPORT; GROUP IVA; GROUP VIA; IDE; OXYGEN; SILICA; SILICON; USE
 ELEMENT-A; HYDROGEN-A
 74-98-6; C3; HYDROCARBON; PROPANE; SATURATED CHAIN; SINGLE STRUCTURE TYPE

SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
— /AB	— AB	All Basic Index Fields Abstract ^{1,2}	Word Segment & Word	S CATALYST(W)POISONING S DI(W)CHLORO/AB S DEACTIVATION/AB
/DE	DE	Descriptor (Assigned Terms and Index Terms) ^{1,3,4,5,6}	Segment & Word & Phrase	S HYDRO(W)CARBON/DE S CATALYST(W)POISONING/DE S CATALYST POISONING/DE
/ID	ID	Supplementary Term ^{1,6}	Segment & Word & Phrase	S LAGUNA CRUDE?/ID S HYDROXY/ID S LAGUNA(W)CRUDE/ID
/SH	SH	Ei EnCompassLit Bulletin Heading ^{1,6}	Word & Phrase	S CATALYSTS(W)ZEOLITES/SH S "CATALYSTS/ZEOLITES"/SH
/TI	TI	Title ¹	Segment & Word	S HYDRO/TI S PROP(W)YL(W)ENE/TI

¹ Any chemical term in the Basic Index can be restricted to a full word using /FW, e.g., S OLEFIN/FW.

² Abstracts are searchable and displayable in both Files 354 and 954, as of January 1996.

³ Also /DF.

⁴ Use /DE* or /DF* for major descriptors.

⁵ Role indicators assigned to materials in chemical reactions are: -A indicates a starting material in a chemical reaction, e.g., S PROPENE-A; -P indicates a product in a chemical reaction, e.g., S PROPENE-P; -N indicates that no role was specified, e.g., S HYDROCARBON-N. Role indicators are also assigned to CAS Registry Numbers, e.g., S RN=74-99-7A.

⁶ Searchable in the Basic Index and in the Additional Indexes.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AT=	AT	Assigned Term ^{6,7}	Phrase	S AT=HYDROGENATION
AU=	AU	Author	Phrase	S AU=JACKSON S D
—	AZ	DIALOG Accession Number		
BN=	BN	International Standard Book Number (ISBN)	Phrase	S BN=0-309-03479-5
CD=	CD	CODEN	Phrase	S CD=JMCADS
CS=	CS	Corporate Source	Word & Phrase	S CS=(ICI(W)KATALCO) S CS=ICI KATALCO
CT=	CT	Number of Linked Term Groups	Phrase	S CT=<0010
DN=	DN	EnCompassLit Document Number	Phrase	S DN=4101587 S DN=200000935
DT=	DT	Document Type	Phrase	S DT=JOURNAL ARTICLE
IN=	IN	Index Term ^{5,6}	Phrase	S IN=ACETYLENIC-A
JN=	JN	Journal Name	Phrase	S JN=JOURNAL OF MOLECULAR CATALYSIS
LA=	LA	Language	Phrase	S LA=ENGLISH
LT=	LT	Linked Term ⁵	Phrase	S LT=(CATALYST SUPPORT(S)SILICA)
PD=	PD	Publication Date	Phrase	S PD=19940204 S PD=1994 S PY=1994
PY=	PY	Publication Year	Phrase	S PY=1994
RF=	RF	Reference Number	Phrase	S RF=PE 453002
RN=	RN	CAS(R) Registry Number ⁵	Phrase	S RN=74-99-7A
SH=	SH	Ei EnCompassLit Bulletin Heading ⁶	Phrase	S SH="CATALYSTS/ZEOLITES
SN=	SN	International Standard Serial Number (ISSN)	Phrase	S SN=0304-5102 S SN=03045102
SO=	SO	Source Information	Word	S SO=(CATALYSIS AND V87)
ST=	ST	Supplementary Term ⁶	Phrase	S ST=LAGUNA CRUDE?
UD=	—	Update	Phrase	S UD=199401:9999

⁷ From January 1991 forward.

SPECIAL FEATURES

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP MAP, HELP DUP, HELP CURRENT online.

LIMIT	/ -- DIALOG Accession Number /ABS -- Abstract Present ² /ENG -- English-Language Documents /MAJ -- Major Descriptor /NOABS -- No Abstract Present /NONENG -- Non-English-language Document /YYYY -- Publication Year	S S3/0472410-9999999 S S4/ABS S S1/ENG S S2/MAJ S S4/NOABS S S3/NONENG S S2/1993
SORT	AU, CS, JN, PD, PY, SH, TI	SORT S1/ALL/AU/PY PRINT S5/5/1-24/AU
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. Other RANK codes include: DE, ID	RANK DE RANK AU S4
MAP	RN	MAP RN TEMP S2
RD, ID	Remove duplicates (RD) or identify duplicates (ID,IDO).	RD S5
CURRENT	Search only the most recent year plus one (CURRENT1) to five (CURRENT5) years.	B 354 CURRENT2

PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	EnCompassLit Document Number, Cross-Reference Number, Title, Author, Corporate Source, Language, ISSN, CODEN, Journal Name, Document Type, Publication Date, Ei EnCompassLit Bulletin Headings, and CAS Registry Number(s)
3	Medium	Bibliographic Citation
4	--	Title, EnCompassLit Document Number, and Abstract ²
5	--	Full Record ²
6	Free	Title
7	Long	Full Record except Indexing ²
8	Short	Title, Index Terms, Supplementary Terms, Linked Terms, and CAS Registry Number(s)
9	Full	Full Record ²
49	--	Full Record with Tagged Fields ²
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

USER DEFINED FORMATS	Display codes listed in the Search Options tables can be used to customize output.	TYPE S3/TI,AU/1-5
TAG	Output can be displayed with tags identifying each display field.	TYPE S3/5/1-10 TAG
DIRECT RECORD ACCESS	If the accession number of a specific record is known, it can be used to display the record directly.	TYPE 04016515/3 DISPLAY 0074483/AU,TI PRINT 05301964/9

FOR ONLINE HELP:

See HELP FIELDS 354 for searchable fields; HELP FORMAT 354 for output formats; HELP LIMIT 354 for limits; HELP RATES 354 for cost information; HELP SORT 354 for sorts.