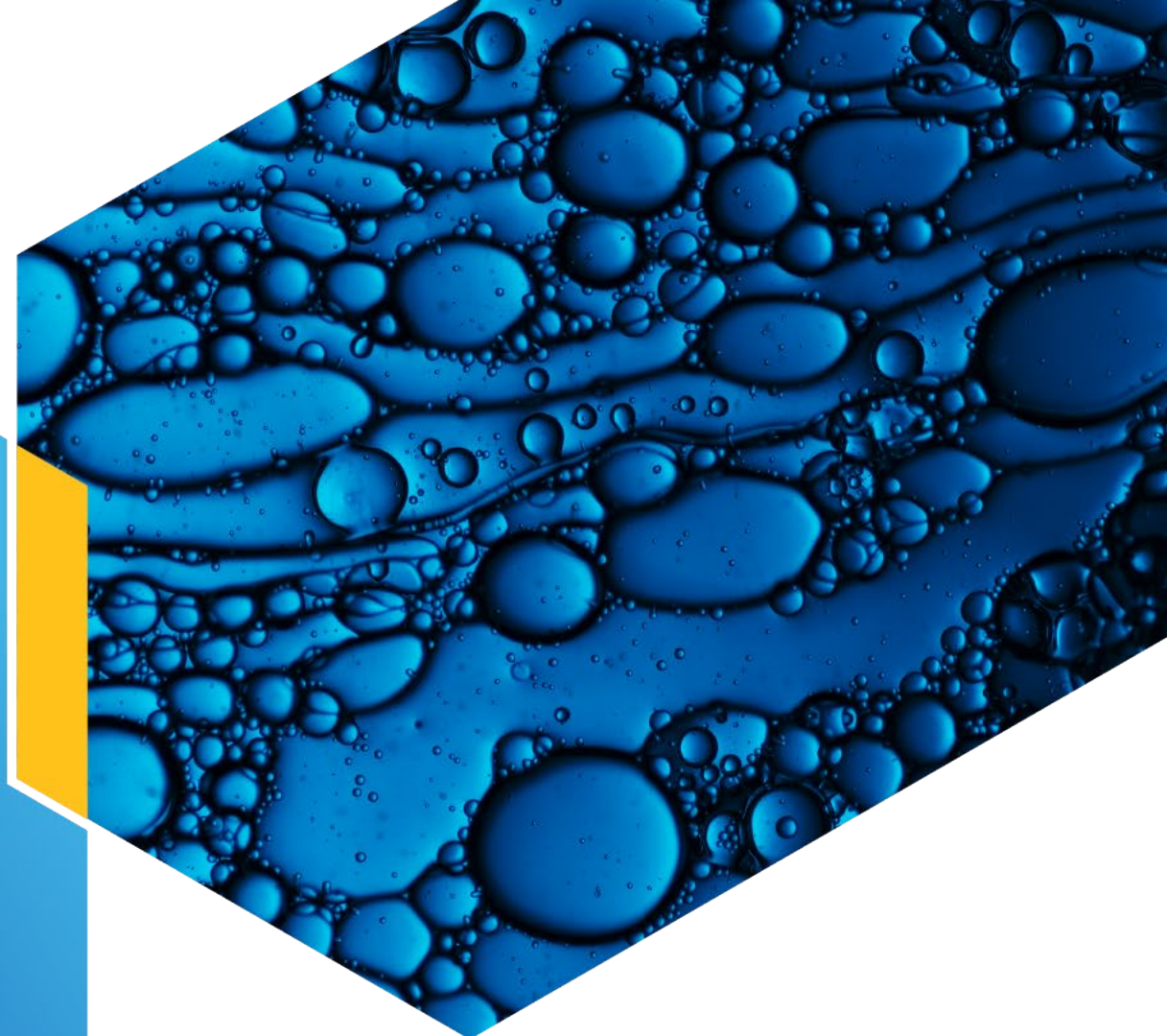




STN Coffee Lecture

# Understanding Derwent's DCRs, DCNs and DRNs

Jim Brown, FIZ Karlsruhe Inc.



# Agenda

- Brief history of the Derwent Chemical Patent Indexing system (CPI)
- Specific compound indexing
  - Derwent Registry Numbers (DRNs)
  - Derwent Compound Numbers (DCNs)
  - Derwent Chemistry Resource (DCRs)

# Derwent indexing history

- 1963 Pharmaceutical and Veterinary patents (FarmDoc)
- 1965 Agricultural Chemical Patents (AgDoc)
- 1966 Plastics & Polymer Patents (PlasDoc)
- 1970 Rest of Chemistry
- 1974 All Technologies

# 1970 – Chemical Patent Index

- 1963 Pharmaceutical and Veterinary patents (FarmDoc)
  - Derwent Section B
- 1965 Agricultural Chemical Patents (AgDoc)
  - Derwent Section C
- 1966 Plastics & Polymer Patents (PlasDoc)
- 1970 Rest of Chemistry
  - Derwent Section E
- 1974 All Technologies

# Sections B, C and E

- Enhanced titles and abstracts
- Derwent classes
- Derwent manual codes
- Derwent fragmentation
- Derwent compound indexing???

# Derwent Registry Numbers (DRNs)

- Started in 1981
- Around 2100 specific compounds to start
- In 1984, number increased to 2510
- Static system

# Derwent Compound Numbers (DCNs)

- Started in 1987
  - Over 20,000 specific compound records
- Still being updated, corresponding to DCR records
- Also includes role indicators
  - Still being applied today

# Derwent Chemistry Resource (DCRs)

- Started in 1999
- Constantly being updated
- As of December 1, 2021, more than 3.7 million substance records
- New role system

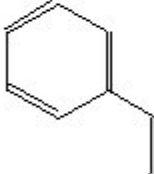


# Styrene

- DRN – 0708
- DCN – R00708
- DCR - 368

L1 ANSWER 1 OF 1 WPIX COPYRIGHT 2021 CLARIVATE ANALYTICS on STN  
AN.S **DCR-368**  
DCSE 368-0-0-0  
CN.P STYRENE  
CN.S Vinyl-benzene  
SY POLYSTYRENE (MONOMER); **STYRENE**

STR



SCR 104475 : SEE ALSO104481 : SEE ALSO  
MF C8 H8  
SMF C8 H8 \*1; TOTAL \*1; TYPE \*1  
MW 104.15  
**SDCN R00708**  
**SDRN 0708**

# Search for Styrene – DCR vs. DCN vs. DRN

=> S L1/DCR

L2            353440 L1/DCR

=> S DCR-368/DCR

L3            353440 DCR-368/DCR

=> S R00708/DCN

L4            349236 R00708/DCN

=> S 0708/DRN

L5            11382 0708/DRN

=> S L4 NOT L3

L6                    0 L4 NOT L3

=> S L5 NOT L3

L7                    133 L5 NOT L3

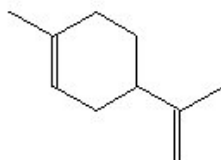
All records captured with the DCN search were also captured with the DCR search, so there is no need to include DCNs in your search. However, some unique records were captured when searching the DRN compared to the DCR search.

# Limonene

- DRN – 1119
- DCN – R01119
- DCR – DCR-2113

L1 ANSWER 1 OF 1 WPIX COPYRIGHT 2021 CLARIVATE ANALYTICS on STN  
AN.S **DCR-2113**  
DCSE 2113-0-0-0  
CN.P LIMONENE  
CN.S 4-Isopropenyl-1-methyl-cyclohexene  
SY (+-)-LIMONENE; 1,8-P-MENTHADIENE; CAJEPUTENE; CINENE; DIPENTENE;  
DL-LIMONENE; EULIMEN; KAUTSCHIN; **LIMONENE**; MENTHADIENE, 1,8-P-; REFCHOLE

STR



MF C10 H16  
SMF TYPE \*1; TOTAL \*1; C10 H16 \*1  
MW 136.23  
**SDCN R01119**  
**SDRN 1119**  
CC TERPENES

# Search for Limonene – DCR vs. DCN vs. DRN

```
=> S DCR-2113/DCR
```

```
L1          3365 DCR-2113/DCR
```

```
=> S R01119/DCN
```

```
L2          3041 R01119/DCN
```

```
=> S 1119/DRN
```

```
L3          3388 1119/DRN
```

```
=> S L2 NOT L1
```

```
L4          0 L2 NOT L1
```

```
=> S L3 NOT L1
```

```
L5          48 L3 NOT L1
```

All records captured with the DCN search were also captured with the DCR search, so there is no need to include DCNs in your search. However, some unique records were captured when searching the DRN compared to the DCR search.

# Why the extra hits with DRN search?

- These are records where that compound was indexed as part of the Derwent Plasdac Indexing
- Clarivate is aware of this issue

# Summary

- Derwent has used three different systems for specific compound indexing
  - DRN, DCN, DCR
- No need to search DCNs
- Do DRNs need to be searched for comprehensive searches?
  - To include the older polymer indexing

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