





Substances with no references in **CAS** Registry

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CAS REGISTRY

- The CAS Registry file contains mainly substances that were encountered in the literature and patents
 - -~8,000 scientific and technical journals
 - patents from 37 patent-issuing authorities
- There are situations where a substance is not associated with any literature information



Chemical substances in Registry

21,126,771 non-sequence substances (March 2003)

Inorganic
No/Partial
Structures
Organic



CAS is adding substance information to CAS databases at a record pace

- CAS analysts added new information on 9.76 million substances in 2002
 - 8.1 m sequences
 - 1.66 m non-sequences
- 3.3 m new substances had >=1 reference(s) in CAplus
 - 2.5 m sequences
 - 0.8 m non-sequences
- 10,000 substances updated/added daily
 - New references from both patents and journals
 - Additional structure information
 - New chemical names, eg trade names

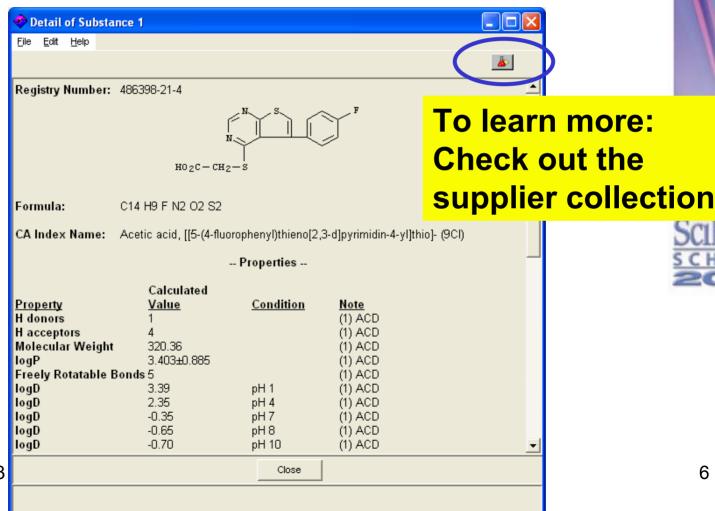


CAS records substance occurrences in many different situations

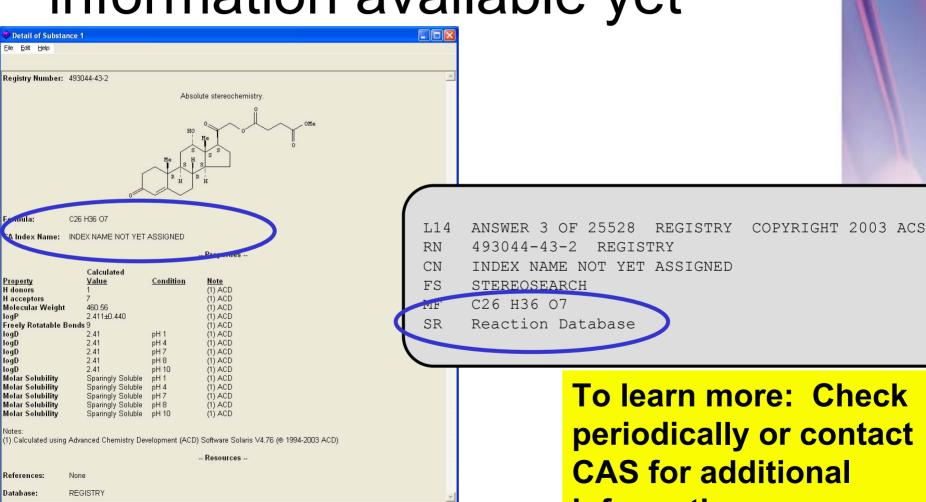
- The majority of these substances have one or more associated references
- Some may be encountered showing no literature references
- Possible cases are outlined on the following slides



Substance only cited in **CHEMCATS®**



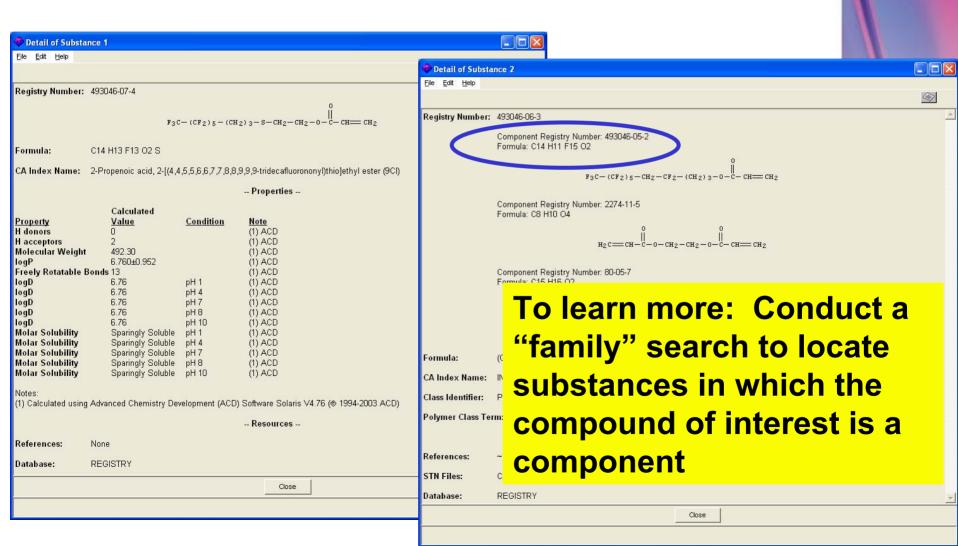
Substance was very recently registered - no name/file information available yet



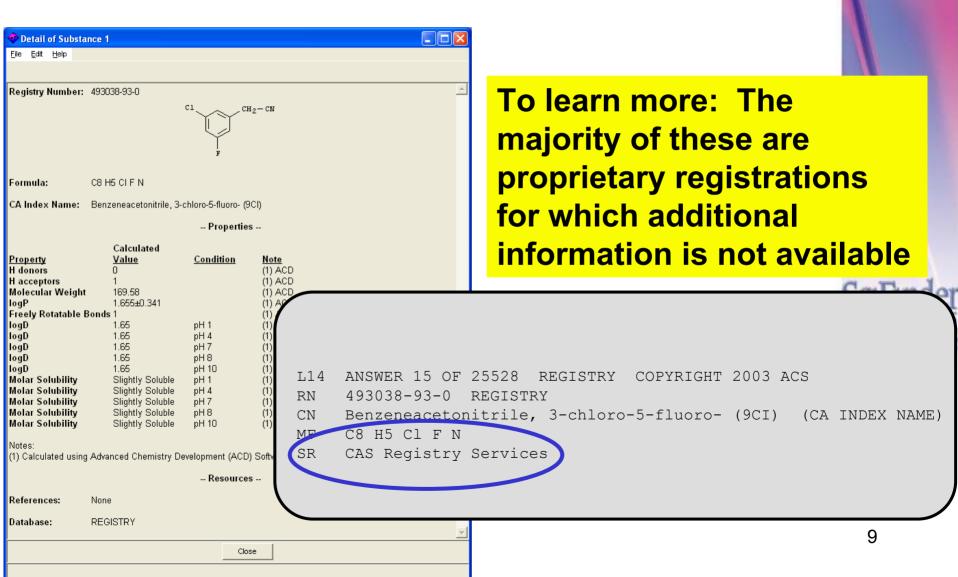
Close

periodically or contact **CAS** for additional information

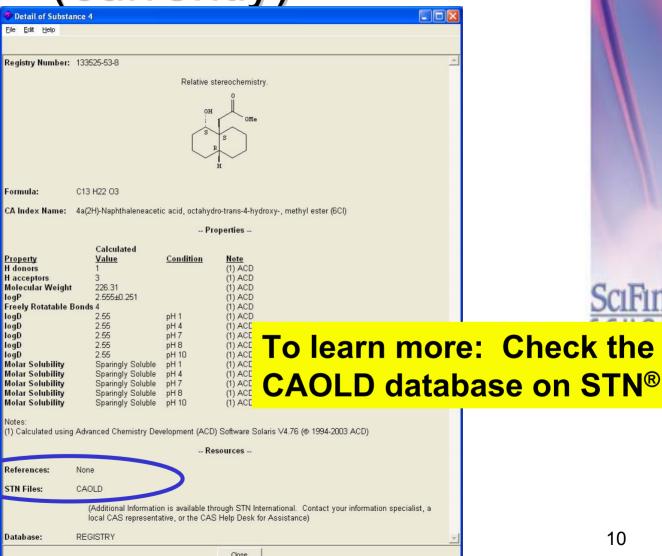
Substance only registered as a component



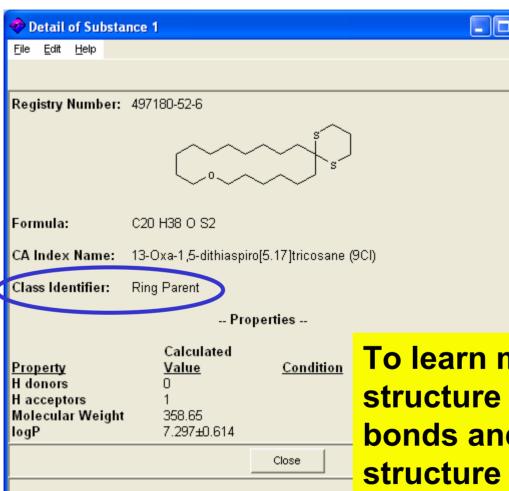
Registration by CAS Registry ServicesSM



Substance only cited in CAOLDSM (currently)

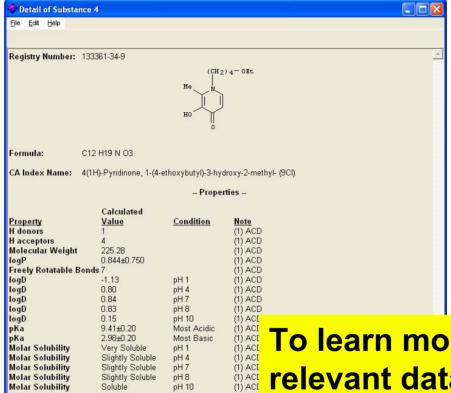


Substance is a Ring Parent



To learn more: Create a structure with unspecified bonds and conduct a structure search to locate compounds containing this ring system

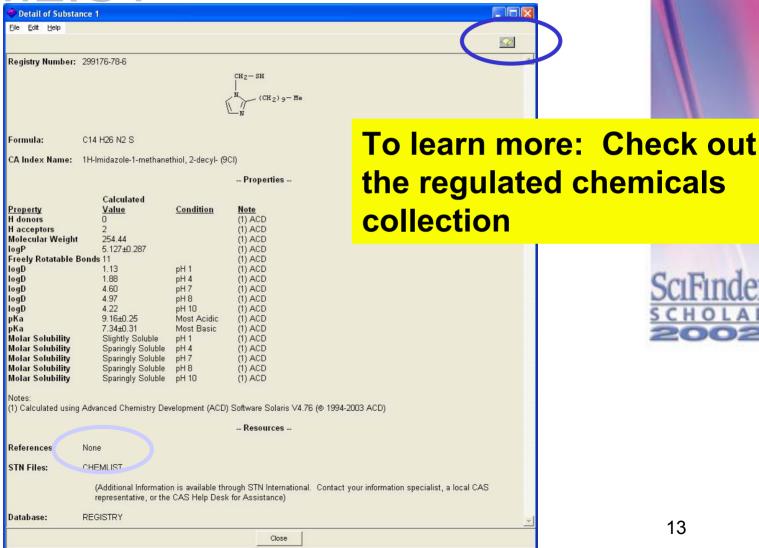
Substance only cited in another STN database



To learn more: Consult the relevant database on STN

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References:	None
STN Files:	RTECS
Database:	(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance) REGISTRY

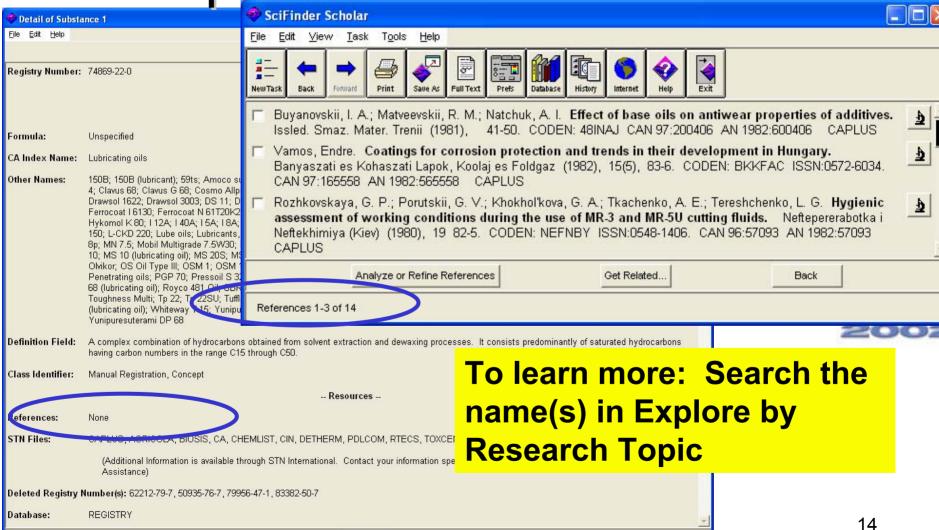
Substance only cited in **CHEMLIST®**



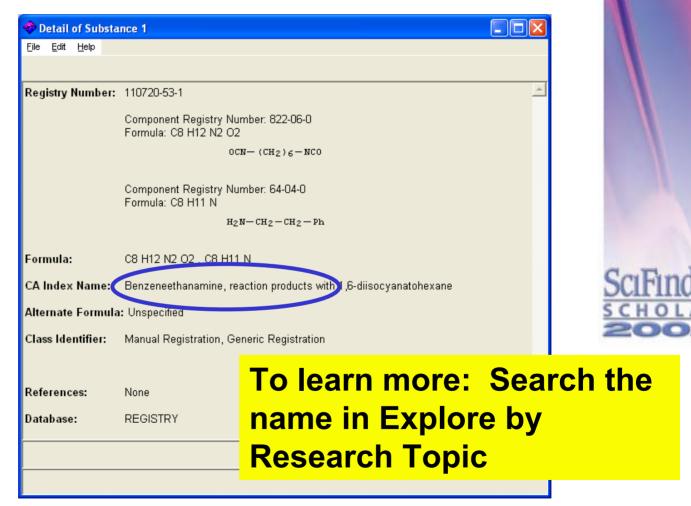
19/03/2003

Substance registered as a concept

Close

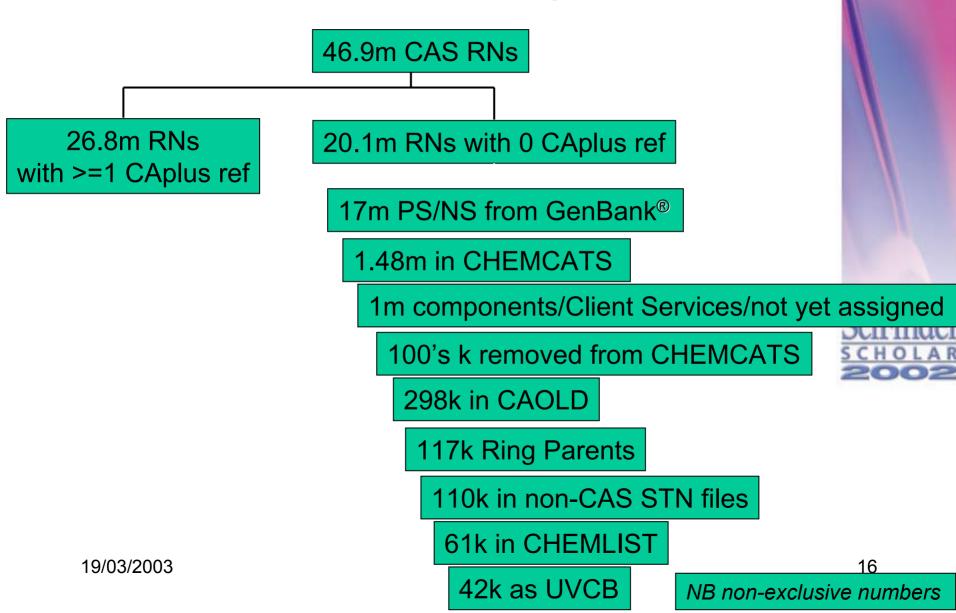


Substance only registered as a generic entry



19/03/2003

Reference summary



Summary

- The majority of substances in the CAS REGISTRY are derived from literature or patent references
- Many sequences may show no associated references (eg GenBank author submissions)
- Some small molecules may show no associated references
- Further information can generally be derived from the detailed display in SciFinder® ScholarTM or on STN









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