Toxicity Factor Database

Tracie Phillips, Ph.D.
Toxicology Division
Texas Commission on Environmental Quality
AAPCA 2018 Fall Business Meeting – November 13 -14, 2018
Toxicity Factor Database

One Stop Shop -
- ESL List
- AMCV List
- Supporting Documentation
Dynamic Data

No more Published Lists

Dynamic Database
More Search Options

- Effective Date
- CAS #
- Synonyms
- Category
- Target Parameter
- Type
DEMONSTRATION

TAMIS Link
Questions

Email: tracie.phillips@tceq.texas.gov

TOX@tceq.texas.gov
Backup Slides

Slides showing step-by-step instructions on how to download the entire ESL List
Welcome to the Texas Air Monitoring Information System (TAMIS) Web Interface

TAMISWeb allows users to generate and download predefined reports containing air quality data and associated information stored in the TAMIS database. This data is collected and maintained by the Data Collection Team of the Monitoring Division within the Office of Compliance and Enforcement.

TAMIS contains ambient air quality data values for many parameters, including:

- Criteria Pollutants
- Hazardous Air Pollutants (HAPs)
- Volatile Organic Compounds (VOC’s)
- Meteorological Data

TAMIS also contains ambient air monitoring metadata, such as:

- Geographic Information
- Measurement Parameters
- Sampling and Analysis Methods
- Monitoring Method
- Monitoring Networks
- Site Photographs

Throughout this website, a lightning bolt icon indicates that this control alters the webpage in some way without refreshing. Selecting the lightning bolt will explain what changes will occur. A book icon indicates that a more detailed list exists. Selecting the book will open a popup window with the detailed list.

1) Click one to go to Reports Screen

- Start Report

You can immediately start a report query without logging in, but you will not be able to save and edit queries, review your report generation history or have notifications sent to your email address.

- Login

If you would like your reports to be saved using your email address, please login.

For questions involving the TAMISWeb application, reports, or if you have comments or suggestions please email TAMIS@tceq.texas.gov

NOTE: Throughout the TAMIS portion of the TCEQ website, users can access valid, validated, ambient (non-QC) data.
2) Choose Tox ESL-Summary Report
3) Select Expert Mode
4) Click Next
5) Enter Date

6) Leave As Is;
   DO NOT:
   - select substances
   - select filter criteria
   - un-select optional columns
   - change delimiter

7) Click Create Report
8) Click link

9) Click Open
9) Select all data (Ctrl a)
10) Copy (Ctrl c)
11) Open Excel
12) Select cell A1

13) Paste data (Ctrl v)
14) Go to Data Ribbon
15) Click Text to Columns
16) Click Delimited
17) Click Next
18) Click Other & add !
19) Click Finish
ESL List is Ready
20) Highlight row 6

For more information about terminology and column definitions visit http://tamis.tceq.texas.gov/tamis/index.cfm?fuseaction=report.terms&rt=3892

21) Go to HOME ribbon

22) Click Wrap Text
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS #</th>
<th>Synonym</th>
<th>Phase</th>
<th>Short Term ESL (ug/m³)</th>
<th>Surrogate prescribed</th>
<th>Long Term ESL (ug/m³)</th>
<th>Derived</th>
<th>Source</th>
<th>Derived Date</th>
<th>Source Codes</th>
<th>Derived Date</th>
<th>Source Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>122628-36-0</td>
<td>(2-ethyl-6-methylcyclopentyl)</td>
<td>Must Meet NAAQS</td>
<td>particulate-Health</td>
<td>Final TD</td>
<td>Must Meet NAAQS</td>
<td>Final</td>
<td>TD</td>
<td>2-Feb-16</td>
<td>TD</td>
<td>2-Feb-16</td>
<td></td>
</tr>
</tbody>
</table>

For more information about terminology and column definitions visit http://www17.tceq.texas.gov/tamis/index.cfm?FuseAction=report.terms&rt=3892
How to Upload Substance Name/CAS #

The database allows users to upload an Excel file of names or CAS RNs for searching.

Names – OR – CAS RNs must be located in:

1. Column A
2. Sheet 1
1) Click Browse

2) Select file and click Open
NOTE: Some data may have been evaluated by the TCEQ Toxicologists. To see Toxicological Evaluations, Click Here.

Data file is loaded

3) Click Add
Substances with a match are loaded

Substances not matching are listed here

<table>
<thead>
<tr>
<th>Load Substance Name</th>
<th>Load CAS #</th>
<th>Category</th>
<th>Subs</th>
<th>CAS</th>
<th>Subs</th>
</tr>
</thead>
</table>

Use “Add” or “Add with Surrogates” to include specific substances in the report. To run the report with all available substances, do not select any substances.

Selected Substances (12 of 5,000 maximum):
- 1,3-butadiene
- 1-butene
- acetylene
- benzene
- ethylbenzene
- isobutane
- isopropylbenzene
- n-butane
- o-xylene
- propylbenzene
- propylene

No matching substance could be found for the following record:
- octane
- m+p-xylene

NOTE: Some data may have been evaluated by the TCEQ Toxicologists. To see Toxicology reports, go to TCEQ’s website.