

I have an OEL from another source, such as a SDS, that is different than the one on the OEL document from professional provider. Which one is correct?

The difference can be due to many factors, but the most common reasons are different adjustment and safety factors were used, or the toxicological PoD selected is different. Often, OELs were established early in the drug development process and due to data gaps, large adjustment factors were used, thus resulting in a low OEL. In addition, the dose that was used to initially establish an OEL may have changed. Unfortunately, the OEL on the SDS may never get revised once more current information becomes available, or legacy SDSs may still be out in circulation. Just because one number is lower than the other number does not mean that the lower number is correct. In addition, many companies have different internal policies on setting OELs and different number-rounding practices. Finally, just because an OEL is published on a publicly available SDS does not mean that the OEL is based on current information or that the number was correctly calculated. Professional provider reviews all currently available information when making an assessment, including available SDS.

Reference:

Affyility OEL Guidance Document, v9, Jun2022