

MultiScale H₂S Scavenger Module



For triazine-based scavengers

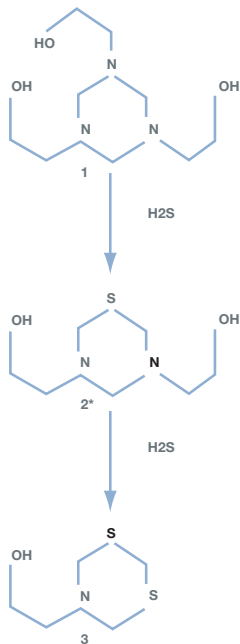
The new MultiScale H₂S Module allows you to see what happens to the mineral scaling potential when injecting a triazine based scavenger into your process system.

To remove H₂S from a stream, scavengers are injected into the production setup. The pH of scavengers is very high, typically 10-12, due to the amine compound it contains and where this liquid gets into contact with produced water, a serious scaling problem may occur.

The H₂S Module is introduced into MultiScale to enable simulation of the pH increase caused by the scavenger amine and hence the change in the scale potential for these systems.

- Efficiency setting for scavenger can be chosen by user
- The effect on pH and mineral scaling potential can be monitored
- Combined with the MultiScale Process Simulation Module, the influence of different rates of scavenger may be logged

The H₂S Scavenger Module is an add-on module to the standard MultiScale program.



Buhaug, J., Investigation of the Chemistry of Liquid H₂S Scavengers, PH.D. Thesis, NTNU, 2002.

- (1) 1,3,5-Tris(2-hydroxyethyl)-1,3,5-triazinane
(3) 5-(2-hydroxyethyl) 1,3,5-dithiazinane
(5) 2-aminoethanol

* (2) not included in model

System requirements:

Windows XP, Vista or W7.

Contact info, software and courses:

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Other available brochures:

- * MultiScale™
- * MultiScale™ MEG Module
- * MultiScale™ Process Simulation Module