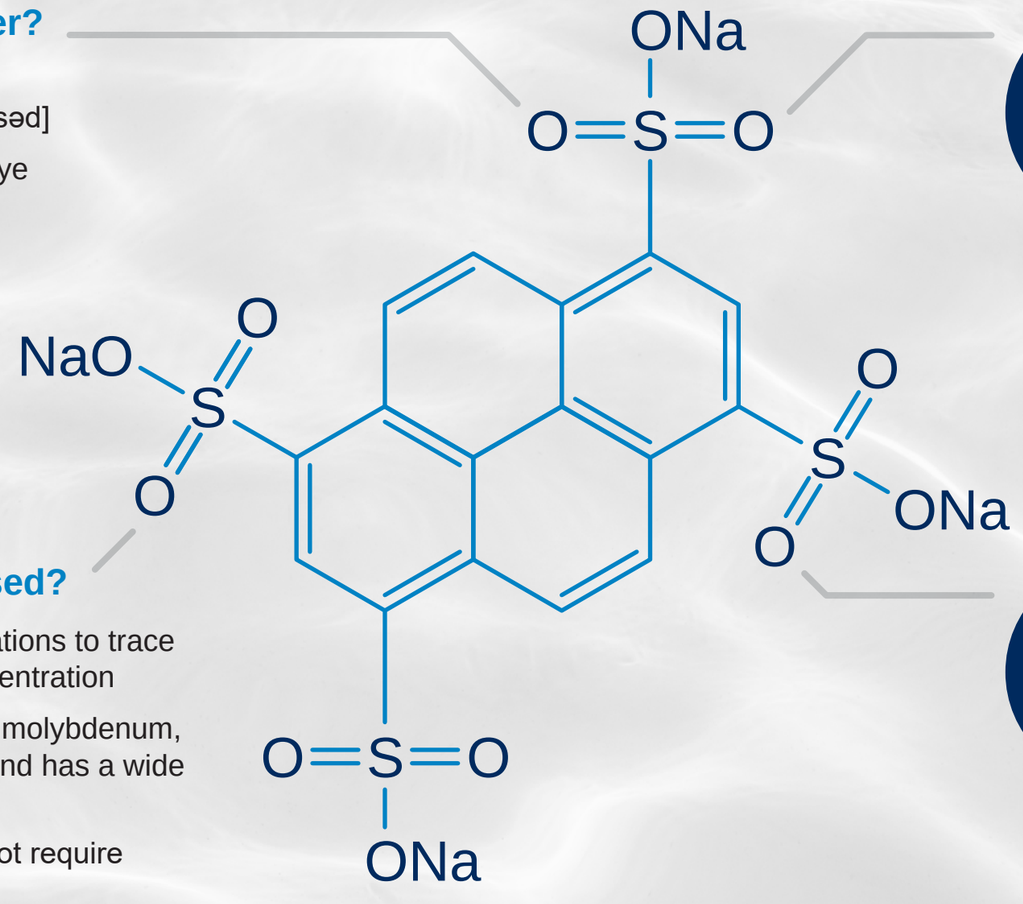
# PTSA TRACING FOR COOLING SYSTEM CONTROL

Inhibitor products need to be maintained at a minimum concentration in treated cooling water to control corrosion and scale. Tracers, such as PTSA, can be used to monitor and control product concentration.

## What is a PTSA tracer?

- Pyrenetetrasulfonic acid [pī-rēn-te-trə-səl-fä-nik a-səd]
- A colorless, fluorescent dye




## How is PTSA controlled?

- PTSA easily measured with a handheld or in-line fluorometer
- PTSA reading can be used to continuously monitor and automatically control inhibitor level
- Web enabled controllers can provide automatic alerts when levels are out of range

## Why and how is it used?

- Added to inhibitor formulations to trace and monitor product concentration
- Used as an alternative to molybdenum, which may be restricted and has a wide detection limit
- Simple and quick; does not require testing reagents
- Improves program results and reduces operating costs

## Key Considerations:

- PTSA level is not equal to the actives level
- Monitor background fluorescence and actives to ensure minimum levels are maintained
- Cationic biocides and surfactants may interfere with PTSA testing

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