

# MSA Chemgard® Monitor for biotechnology manufacturer



## Application

Hexane is commonly used as an extraction solvent in several biotechnology processes. Previously, at the production facility, no gas detection was used to detect hexane discharges into the sewer. Due to an undetected release involving high levels of hexane, a buildup at the treatment plant pump station downstream created an explosive condition.

## Solution

The customer purchased an 8-point Chemgard Monitor with a 0-1,000 ppm hexane detection range. Housed in an explosion-proof enclosure, the unit features an internal heater that allows the unit to operate at temperatures below the minimum operating temperature specification. The system is installed in the biotechnology plant's treatment area to monitor for the presence of hexane vapors before contaminated water is released to the sewer, providing early warning of potentially explosive conditions.

### Hexane

| Formula                        | TLV    | LEL  | Chemgard Monitor Minimum Detection Limit |
|--------------------------------|--------|------|--|
| C <sub>6</sub> H <sub>14</sub> | 50 ppm | 1.1% | 3 ppm                                    |

**Note:** This bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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