

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 ₆ H ₁₄	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.



Corporate Headquarters
P.O. Box 426, Pittsburgh, PA 15230 USA
Phone 412-967-3000
www.MSAnet.com

U.S. Customer Service Center
Phone 1-800-MSA-INST
Fax 1-724-776-3280

MSA Canada
Phone 1-800-672-2222
Fax 1-800-967-0398

MSA Mexico
Phone 01 800 672 7222
Fax 52-44 2227 3943

MSA International
Phone 412-967-3354
FAX 412-967-3451



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