

Zyme-Flow® Process

Decontamination in a Single Application



Advantages

- ▶ HMIS 0,0,0
- ▶ Oxidizes sulfides and pyrophorics
- ▶ Eliminates benzene and LEL's
- ▶ Reduces sludge and heavy deposits
- ▶ No exotherms
- ▶ Quick penetration
- ▶ Does not contain VOC's
- ▶ Fits within existing steamout procedures
- ▶ Reduces blinding by decontaminating several vessels all in one step
- ▶ Minimal temporary piping requirements
- ▶ Easily disposed of (no storage tanks needed)
- ▶ Can begin during the de-inventory process
- ▶ Compatible with all known metallurgy, normal gaskets, and seals
- ▶ Washes away completely
- ▶ 100% biodegradable

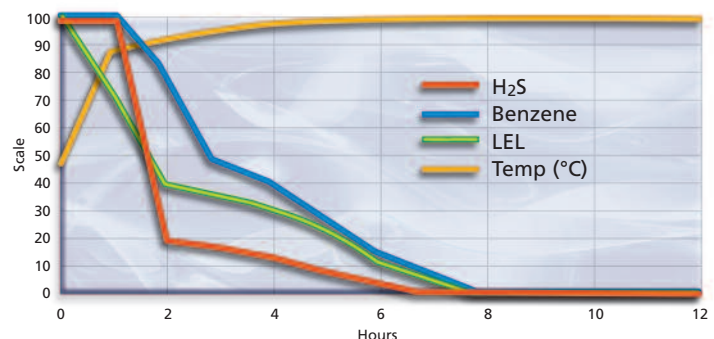
Refineries worldwide depend on United Laboratories International, LLC, creator of the **Zyme-Flow Process**, for the safe and effective decontamination of their units. Our line of Zyme-Flow and Zyme-Ox® products are effective at the removal of hazardous contaminants from refinery and petrochemical units, and have no impact on wastewater facilities or the environment.

United Laboratories International's patented Zyme-Flow separations technology reduces turnaround decontamination time by as much as 24 hours and meets the most stringent environmental and personnel safety standards. In a single application, the Zyme-Flow Process neutralizes sulfides (H₂S) and pyrophorics, eliminates LEL's and benzene, and removes residual oil and gas. ULI's environmentally friendly Vapour-Phase® and Zyme-Flow Process applications will save time and expense by removing contaminants to the flare while minimizing wastewater streams, eliminating the need for temporary storage tanks.

Unlike other surfactants commonly found in industrial cleaning and decontamination products, the mild oxidizer in the Zyme-Flow Process – Zyme-Flow® UN657 – can be applied in circulation or in our patented Vapour-Phase applications. It is highly effective on pyrophoric compounds, on high-pyrophoric units that contain a thick accumulation of coke and sludge, and on difficult-to-remove sludges. In addition, Zyme-Flow is almost completely expended during the job and will not have any adverse effects on the wastewater facility.



This sample report shows a typical analysis of compound removal during a job. Each application is carefully monitored to ensure that the treatment is effective and that the right amount of product is used—no more, no less—for maximum efficiency.



EnvirAware™

This product is specially designed to maximize cleaning performance without harm to the environment.



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