

From Paper to Pixels: Enhancing SDS Accessibility



Using digital solution to ensure the accessibility of Safety Data Sheets (SDS) for our customers and their employees, even in remote locations.

PROBLEM IN FIELD



In remote U.S. field locations, it is common industry practice to store paper SDS in plastic tubes with screw-on end caps that are attached to chemical storage tanks. This method proved unreliable due to weathering, pests, and high maintenance costs. The plastic tubes were susceptible to environmental degradation and bug infestation when they lost integrity, leading to the risk of insect bites and ruining the integrity of the SDS.



Picture 1: Shows disintegrated plastic tube with paper SDS severely damaged by weather.

ADDITIONAL CHALLENGES



- SDS documents housed on internal SharePoint site behind company firewall – not accessible by external users.
- Product labels required re-design to accommodate QR-code image and other requests from field.
- Existing labels were susceptible to weathering and needed to be replaced four times per year.



Picture 2: Shows chemical storage tank with updated label that has QR-code linked to the product SDS.

SOLUTION



ChampionX transitioned from paper SDS to digital, by leveraging cross-departmental collaboration to introduce QR codes as a solution. Integrating QR codes on storage tank labels across multiple U.S. field locations impacted compliance, sustainability, and cost-efficiency.

- Migrated selection of Product SDS to public webpage and created QR code images
- NEW durable labels were distributed to field and 30,000 chemical storage tanks were relabeled
- Maintenance cost reduced by more than \$100,000 per year
- Currently managing over 400 products in the U.S. with expansion to Canada imminent

ChampionX has not only ensured instant and accurate access to SDS for our customers, but also significantly reduced environmental impact. The digital transformation has eliminated the need for plastic and paper, aligning with sustainability goals, and resulted in a substantial reduction of maintenance efforts and costs. This case study serves as a testament to the power of digital innovation in enhancing regulatory compliance, environmental stewardship, and financial prudence within the field of safety management. An innovative approach undertaken by ChampionX, which has revolutionized SDS accessibility.