



Protiviti's Comprehensive Approach Drives Governance over Chemical Safety Protocols for Leading Apparel Manufacturer

Keys to Success

Change Requested

Conduct a comprehensive analysis of the current safety protocols governing the 'Storage, Handling, Utilization, and Disposal of Chemicals' by Chemical Handlers, especially in the context of an allegation of a gas leak leading to an investigation by the AP Pollution Control Board. Protiviti was requested to offer recommendations for enhancements, with the overarching objective of optimizing the overall safety procedures associated with chemical(s) management.

Change Envisioned

Recognizing the imperative to fortify governance over the 'Storage, Handling, Utilization, and Disposal of Chemicals', a vision was conceived to systematically analyze, categorize the chemicals in use and review compliance with established Material Safety Data Sheets (MSDS) and Standard Operating Procedures (SOPs) and for chemicals, aligning seamlessly with the specifications.

Change Delivered

Executed a comprehensive analysis around the types and effects of chemicals employed, alongside an evaluation of potential exposure risks including health hazards, considering both direct and prolonged usage of chemicals.

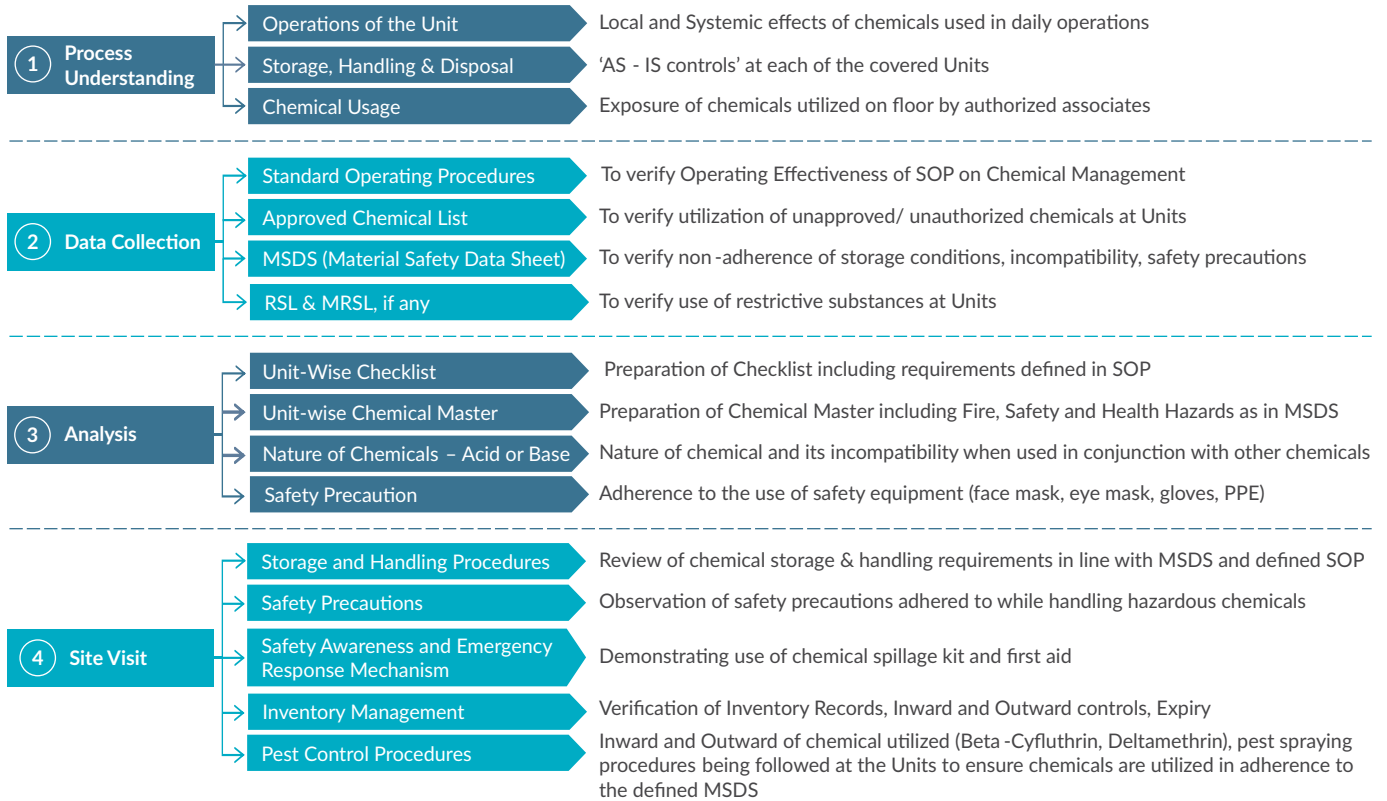
This entails the methodical gathering, analysis, and documentation of feedback from Chemical Handlers through interviews, emphasizing an inclusive approach to evaluating current safety practices including examination of Material Safety Data Sheets (MSDS) for the sanctioned list of chemicals supplied by the client across 11 units. The meticulous approach adhered to a precisely crafted methodology (noted below), which garnered notable appreciation from the client, labeling the resulting report as 'One of the best reports' in acknowledgment of its quality and thoroughness.

Brief Client Introduction

Widely regarded as one of the pioneer architects responsible for elevating the local apparel industry, our client has over the past 50+ years grown vertically and laterally. More recently the footprint has extended to the wider South Asian region through investments in India and Bangladesh. With 30 manufacturing facilities across the Indian subcontinent serving some of the most prestigious apparel brands in the world, our client has carved out a name as one of the leading Asian-origin suppliers in the global apparel value chain.


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Methodology – Chemical Review





Key Challenges to Overcome

After initial discussions with the management, the following problem statements were discerned:

 Conducting an exhaustive review of 100+ sample Material Safety Data Sheets (MSDS) provided by the client, which includes crucial information on safe use, potential hazards, and spill-handling procedures.

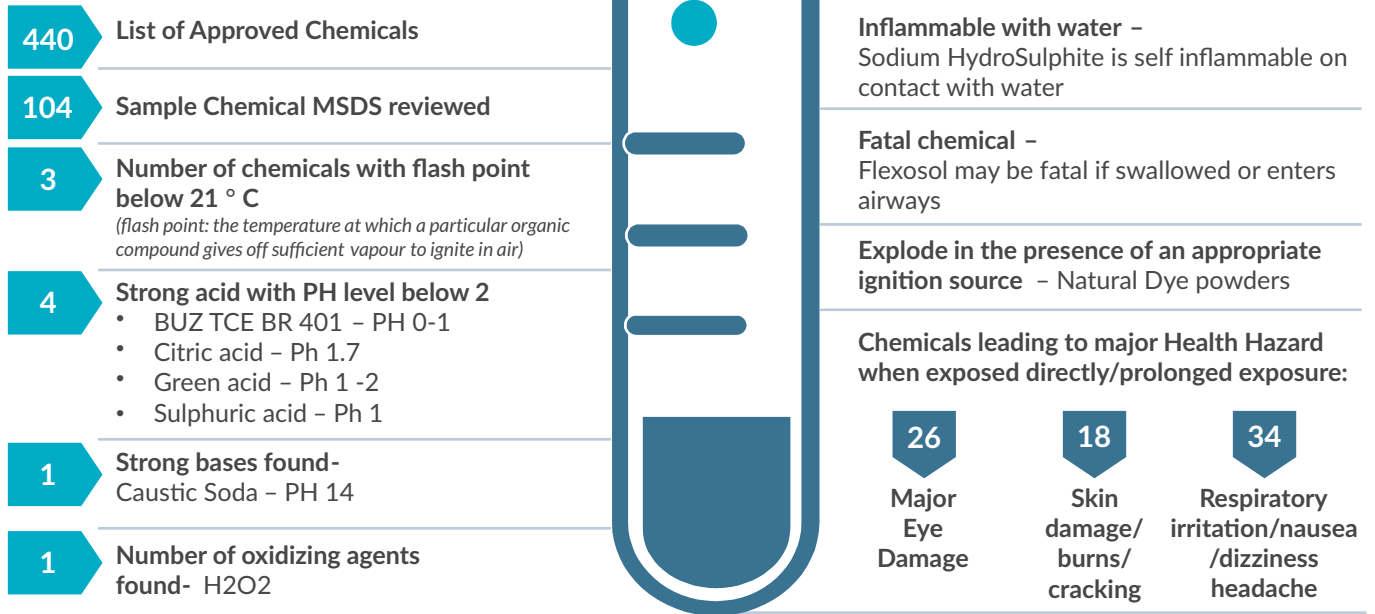
 Comprehending safety requirements, including a detailed analysis of the compatibility matrix of 440 chemicals to ensure adherence to safety standards.

 Addressing inconsistencies in chemical utilization and handling across 11 units spread across 1000 acres of land.

 Lack of awareness around emergency response procedures during an unforeseen chemical spill/gas leakage incident in an operational setting in light of the recent incident related to the gas leak.

Note: Given our team's different skill sets in comprehending chemical composition, compatibility, and their effects, we collaborated with the client's Occupational Health and Safety Head, who served as a subject matter expert. This partnership proved essential in understanding and integrating the right approach for both local and systemic chemicals, while also ensuring the acceptance of our recommendations. The ultimate result, which included an improved level of safety awareness among chemical handlers, was the outcome of our collective efforts in preparation, showcasing the synergy achieved through our collaboration.

Key Statistics – Hazardous Chemical Review



How Protiviti Helped to Achieve the Goal

Protiviti collaborated with the client to comprehend the problem statement. Based on the information gathered, Protiviti commenced the review by gaining an understanding of the existing safety controls. The substantive audit procedures involved a physical inspection of the chemical storage room, along with interviews conducted with Chemical Handlers. The review encompassed an examination of the safety protocols adhered to by Chemical Handlers.



Conducted physical inspection across 11 Units and reported deviations from the specified physical chemical storage conditions, aligning with the Material Safety Data Sheet (MSDS) provided by the Management.



Highlighted instances of storing incompatible chemicals, aligning observations with the guidelines outlined in the MSDS and SOP.



Highlighted instances of inconsistencies across 11 Units.



Conducted interviews with Chemical Handlers to comprehend their understanding of adherence to protocols during chemical usage along with response timelines for unforeseen events, if any.



Facilitated a safety and awareness session, disseminating pivotal insights from our review to augment comprehension and foster safety consciousness among Chemical Handlers.

Business Impact

For the first time, the client gained a comprehensive understanding of both the local and systemic effects of chemicals utilized in daily operations. This encompassed an understanding of chemical storage and handling requirements in alignment with Material Safety Data Sheets (MSDS) and defined Standard Operating Procedures (SOP).

The initiative also focused on enhancing employees' comprehension of the use of chemical spillage kits and first aid measures. The process was facilitated through customized training for all the chemical handlers, which significantly improved their ability to analyze and track process lapses more efficiently than before.

Continuous Value and Engagement

Throughout our enduring eight-year collaboration, Protiviti has been instrumental in providing pivotal support during the client's transformative operational shift, seamlessly aligning with their pursuit of operational excellence. The impact has been profound, surpassing conventional project delivery to instigate an ongoing process of continual evolution and enhancement. Protiviti's achievements stand as a testament to the recommendation of efficiency benchmarks across diverse domains,

including Transport Risk Assessment, Safety Review for Chemical Management, Central Kitchen Review, Project Right-Sizing, and the comprehensive evaluation of the client's Corporate Social Responsibility Landscape. From scrutinizing operational efficiency to meticulously reporting on the compliance monitoring mechanism, our influence spans a diverse array of critical areas, contributing to the client's sustained success.

Notes:

MSDS - Material Safety Data Sheet

SOP - Standard Operating Procedure

RSL - Restricted Substances List

MRSL - Manufacturing Restricted Substances List

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