

Technobrief

# Advanced Chemical Inventory Management



# A continuous, convenient, safer, economical, on-line and greener option!

Many hazards are associated with handling chemicals in drums. Additionally, the problems with drum and/or residual chemical disposal pose both safety and environmental problems. By eliminating the use of chemical drums, your costs, safety risks and potential liabilities are minimised. ChemTRAC™ units provide the answer!

## Benefits

### Safety and Environment

- Simplified chemical handling.
- Improved Employee safety (Prevents injuries resulting from handling chemical drums).
- Eliminates chemical exposure hazards.
- Reduces the potential for chemical spillage.
- Equipped with a combination of three safety relief devices.
- Eliminates the need for triple-rinsing, cutting or crushing drums or costs for the disposal of empty drums.
- Eliminates potential future liabilities associated with landfill cleanup (cradle to grave).



### Operations and Cost Control

- Assures quality of operation through dependable, accurate, continuous chemical feed to the plant.
- Minimises plant equipment damage/failure.
- Eliminates chemical loss - full drain design ensures the use of every drop of chemical purchased.
- ImproChem delivery experts conduct the transfers from one unit to another - this frees up facility labour.
- Eliminates time, hassle and associated costs.
- Reduces floor space required for storing drums and drum handling equipment.



## General Description

The ChemTRAC™ units are constructed of high quality 316 stainless steel four times thicker than common chemical drums and hence much stronger.

The ChemTRAC™ chemical FILLER unit is an SABS-approved, bulk container that is used to transport chemicals from our Manufacturing facility to your site (and then transferred into a BASE ChemTRAC™ unit - which then feeds the plant/process). This delivery is done by our specially trained ChemTRAC™ team - so there is no need for any chemical handling on the part of the Customer. The FILLER unit then returns to our facility for cleaning and re-filling (and ready for the next delivery to another BASE unit).

The ChemTRAC™ units have a specially designed full drain bottom that allows for the complete transfer and use of all Chemicals purchased - so no residual chemical remains (as with conventional drums).

For chemicals which are not compatible with stainless steel, such as chloride/hypochlorite based products a different ChemTRAC™ unit is available on request.

## Types

ChemTRAC™ units can be ordered in various sizes depending on the chemical usages for the plant over a one-month period. Base units are to be re-filled on a monthly basis - so are selected according to requirements.

The base tank range includes the following sizes:

2000 litres • 1500 litres • 750 litres • 300 litres • 120 litres

The ChemTRAC™ units can stand alone in a properly bunded area on customer sites, or alternatively an optional stainless steel containment basin can be provided to ensure that in the unlikely event of a leakage, that the chemicals are contained and not released out into the environment.

Another optional extra for viscous products such as emulsion polymers that may need mixing before use, is the installation of an electric stirrer, which can be fitted to the 750 litre units upwards. This will ensure that a consistent quality product is dosed at all times.

## ISO / SANS Certification

As a specialised intermediate bulk container (IBC), its design, use and certification is strictly regulated. Each ChemTRAC™ unit has been certified to international ISO standards by South African Bureau of Standards (SABS).

## Cleaning and Inspection

Each ChemTRAC™ unit is thoroughly cleaned and inspected prior to (re)-filling. This ensures that all regulatory requirements and ImproChem quality standards are met.

## Contractual Agreement

Before installation and delivery takes place, the Customer is asked to complete and sign an Agreement stipulating that all ChemTRAC™ containers remain the sole property of ImproChem and cannot be sold, transferred, mortgaged, leased, encumbered, pledged or made the subject of any lien whatsoever. ChemTRAC™ containers are for the sole and exclusive use, storage and handling of chemicals supplied by ImproChem only.

## Summary

ChemTRAC™ offers a simple and effective solution for the control and management of any chemical inventory.

Contact your ImproChem Sales Technologist for additional information on ChemTRAC™.





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