RECP Best Practices Catalogue

Improved chemical storage (dyes)

Developed within the framework of MED TEST II







SECIUR:	rexule & Readymade Garments
SUBSECTOR:	Weaving of textiles

Toutile O Deadymands Cormonate

PRODUCTS Production of yarn, dyeing and weaving

Good Housekeeping

APPLICABILITY Utilities

COMPANY SIZE 50



CECTOD.

CATEGORY





Description of the Problem (Base Scenario):

The dyes and chemicals used to prepare formulas are poorly stored (bags and cartons open to the atmosphere)

Handling of chemicals and auxiliary products is less well handled at the company as at the majority of national companies.

Indeed, it is noted that the basic elements of good practices concerning the

management of operating materials (storage and handling) are not generally applied, as shown in the

photos. Among the consequences of these bad practices is product loss and the production of packaging waste contaminated by dangerous products!

Description of the Solution

The measure will consist of a simple installation of metal or plastic packaging instead of the original cardboard packaging for the dyes.

When the dye is received, it is packed in a plastic bag itself contained in a cardboard box. For each use, the plastic bag containing the dye is put back in the plastic or metal packaging previously put in place on the shelves of the storeroom. Recovered cartons (new) will be recycled.

Thus, the dye containers put on shelving will remain solid and will make it possible to minimise losses.

This action must be accompanied by upgrading the storage room:

- installation of a ventilation system (air recycling),
- setting up a hood for weighing dyes,
- Clean up of dyes in the event of an accidental spill by means of a vacuum cleaner to be worn by the operator.

These measures will help improve the air quality of the storeroom and the hygiene of the premises.

TEST Training kit

Economic Gain	The gains relate to the quality of dyeing and loss of dyes: the gains can be estimated at 10% of current losses (re: MFCA) on dyes and 2% on ancillary products, which is € 3,418/year.
Environmental Gain	 Reduce losses of dye and auxiliary products, (3.9 tons/year) Improve cleanliness and hygiene in the storeroom. The reduction of dye losses that are discharged to the sewer during cleaning operations reduces the flow of pollution in waste water (COD, suspended solids). For dye losses that are disposed of as waste: a reduction in losses helps to reduce company waste classified as hazardous
Health and Safety Impact	Positive impact by improving working conditions and reducing the risk of employee contamination







Investment and Financial Indicators	 Implement metal or plastic packaging, Installation of the hood and vacuum system, Installation of the ventilation system of the room. Budget is estimated at € 4,550. (Time for Return on Investment: 1.3 year),
Suppliers	Internal
Other aspects	None
Implementation and new indicator	Implementation planned in 2018





