

Case study:

Herbicide

Application

Filling and weighing a free flowing herbicidal compound in drums and FIBC without product loss to the environment with an good accuracy. This herbicide if exposed to the atmosphere, is able to destroy several acres of vegetation.

Requirements

Dust free filling & weighing without powder neither on the drum or FIBC or pallet Prevention of product escape to the environment Accuracy of 0,5% both on FIBC and drums Good working ambiance due to the long cycle time of around 30h Class I div II

Hosokawa Solution

- Class I div II integrated package with primary and secondary containment.
- Fully automated entrance and exit system with roller conveyors
- 3 dedicated compartments to avoid contamination and insure proper cleaning of the external of the drums and FIBC before and after weighing.
- Integrated vacuum clean off system to insure proper removal of the dusts.
- Separate dedicated personnel entry and exit area with a clean and a dirty zone.
- On-board cooled fan/filtration system.
- filters inside "barrier bag" safe-change housings.
- Temperature controlled regulation system

Conclusion

Experts understood the benefits achieved by choosing a company having the capability to integrate different technologies like filling, weighing and downflow booths

