

Training Curriculum in Process Safety (PS-01)

A Training Curriculum is a knowledge development path recommended by the Industrial HSE in order to ensure the homogeneity of in-house competencies in Health, Safety & Environment throughout the Solvay Group.

A list of the available Training Curricula in other HSE domains, as well as HSE transversal knowledge is available [HERE](#).



Who should follow this training curriculum?

- Process Safety specialists, in Sites or in a corporate function.



Key / Essential knowledge (mandatory)

- **SOLVAY PROCESS SAFETY Procedures & Guidelines :**
 - ★ Process Safety Management Procedure [IND-HSE-PS-03-PRO](#) : [Onboarding + related Guidelines](#)
(+ Formal Procedure [IND-HSE-PTS-03](#) in place for the Low Seveso Sites until the above PS-03 is fully implemented (Q4 2021))
 - ★ Risk Analysis in Process Safety Procedure [IND-HSE-PS-10-PRO](#) + [related Guidelines](#)
- **COUNTRY specific:**
 - ★ Regulations about PS (legal compliance)
 - ★ [Mandatory training in PS](#)
- **SITE main procedures:**
 - ★ Management system
 - ★ Risk assessment
 - ★ Management of change
 - ★ Maintenance program
 - ★ IT tools (e.g. action tracking, MOC)
- **PROCESS HAZARD ANALYSIS (PHA) METHODS Training** (see Specific Training below)
- **HSE TRANSVERSAL TOPICS:** [Key/Essential knowledge \(mandatory\)](#) (K/E; lower half of the table; columns related to Domain Expert /Specialist)
- **REPORTING OF PROCESS SAFETY INCIDENTS :** see above [HSE TRANSVERSAL TOPICS](#)



Specific Training

PROCESS HAZARD ANALYSIS (PHA) LEADER

➔ For HAZOP/LOPA or GBU's methods: contact your GBU HSE manager

➔ For Solvay's methods:

★ Contact the [zone HSE PS training support person](#).

★ Watch the following [online training modules](#) before attending the PRA leader training course:

Ref.	Title	Time min.	Ref.	Title	Time min.
PS-30.1	Lessons from Flixborough	17	PS-34.4	BLEVE	27
PS-30.2	Why process safety?	6	PS-35.1	Examples of dust explosions	17
PS-30.3	Lessons from Bhopal	11	PS-35.2	Introduction to dust explosions	21
PS-32.1	introduction to combustion	6	PS-35.3	Dust explosion data	21
PS-32.2	Different types of fires	18	PS-36.1	Introduction to condensed explosions	16
PS-33.1	Introduction to gas explosions	28	PS-36.2	Condensed deflagration and detonation	37
PS-33.2	Examples of gas explosion inside vessels	25	PS-37.1	Ignition sources - introduction	26
PS-33.3	Effects of gas phase explosions	20	PS-37.2	Electrostatic ignition sources	48
PS-33.5	Gas explosions with flame propagation	23	PS-37.3	Exercises on electrostatic ignition sources	21
PS-34.1	Introduction to physical explosions and implosions	16	PS-37.4	Introduction to classified explosive zones	23
PS-34.2	Boilover	7	PS-37.5	Do's and don'ts in explosive zones	18
PS-34.3	Rollover	8	PS-37.6	Reduction of risk of fires and explosions	28



Contacts

★ [WHO'S WHO IN PROCESS SAFETY NETWORKS](#)

★ For GBU TOOLS/PROCESS : contact the GBU HSE manager, or the GBU-PS representative

★ For Solvay's TOOLS/PROCESS :

✔ To be part of PHA leaders gGroup: contact [Jean-Luc REVEL](#)

✔ To receive the PS lesson learned bulletins: contact [Jean-Luc REVEL](#)



Other useful Information

- [→ Process Safety IHS Pages](#)
- [→ PS lesson learned bulletins](#)
- [→ Process Safety Risk 1 Sheet \(restricted access\)](#)
- [→ Process safety Expertise Forums](#)
- [→ Process Safety Management \(PSM\) forum \(Ggroup\)](#)
- [→ Process Safety trainings \(Ind. Academy\)](#)
- [→ SAFETY and Other HSE TRANSVERSAL TOPICS: Useful Information \(suggested\) \(see "UI" in the lower half of the table; column Domain Expert/Specialist\)](#)

Process Safety Risk 1 Sheet

Process Safety Risk 1 Sheet

i Questions or comments: please contact [Jean-Luc Revel](#)