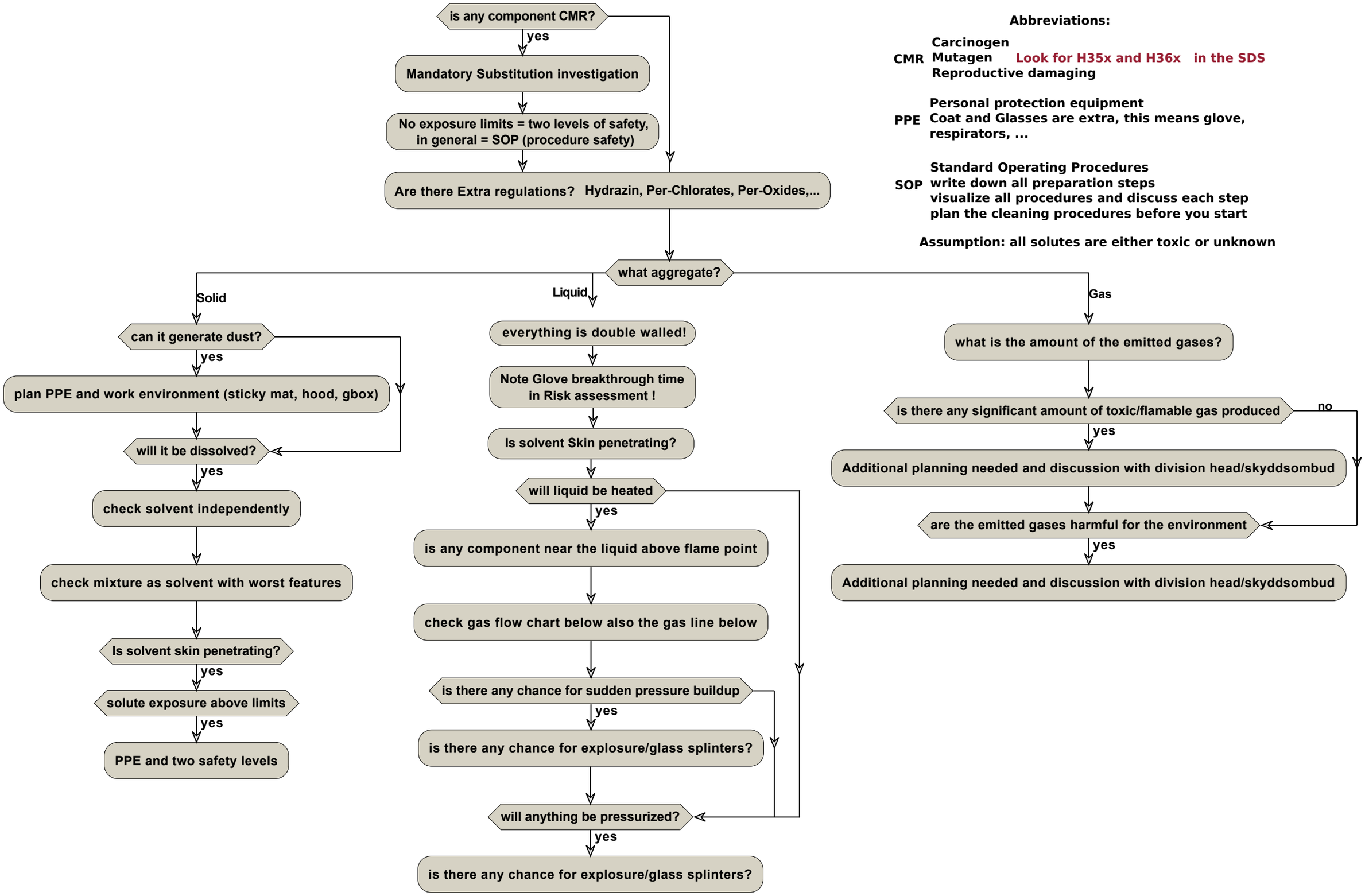
is any component CMR?
yes
Mandatory Substitution investigation
No exposure limits = two levels of safety, in general = SOP (procedure safety)
Are there Extra regulations? Hydrazin, Per-Chlorates, Per-Oxides,...
what aggregate?
Solid
Liquid
Gas
can it generate dust?
yes
plan PPE and work environment (sticky mat, hood, gbox)
will it be dissolved?
yes
check solvent independently
check mixture as solvent with worst features
Is solvent skin penetrating?
yes
solute exposure above limits
yes
PPE and two safety levels
everything is double walled!
Note Glove breakthrough time in Risk assessment !
Is solvent Skin penetrating?
will liquid be heated
yes
is any component near the liquid above flame point
check gas flow chart below also the gas line below
is there any chance for sudden pressure buildup
yes
is there any chance for explosure/glass splinters?
will anything be pressurized?
yes
is there any chance for explosure/glass splinters?
what is the amount of the emitted gases?
is there any significant amount of toxic/flamable gas produced
yes
no
Additional planning needed and discussion with division head/skyddsombud
are the emitted gases harmful for the environment
yes
Additional planning needed and discussion with division head/skyddsombud
Abbreviations:
CMR
Carcinogen
Mutagen
Reproductive damaging
Look for H35x and H36x in the SDS
PPE
Personal protection equipment
Coat and Glasses are extra, this means glove, respirators, ...
SOP
Standard Operating Procedures
write down all preparation steps
visualize all procedures and discuss each step
plan the cleaning procedures before you start
Assumption: all solutes are either toxic or unknown