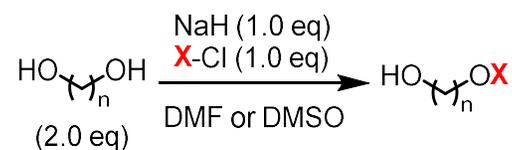


# Safety Minute – NaH + DMF/DMSO



X = TES, TBS, TBDPS, PMB

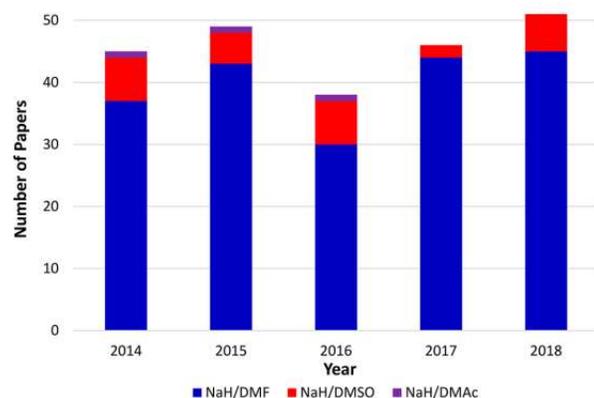


Figure 1. Numbers of publications using NaH/DMSO, NaH/DMF, and NaH/DMAc in *Organic Letters* in 2014–2018.

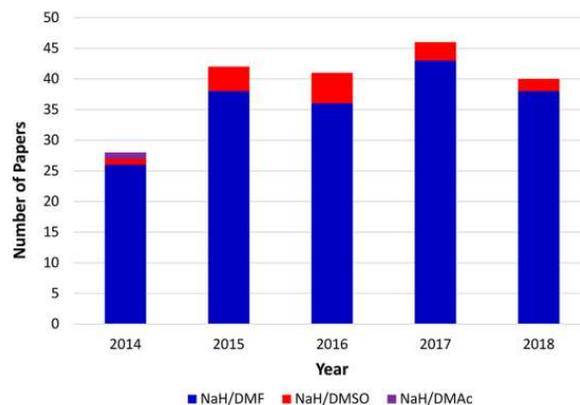


Figure 2. Numbers of publications using NaH/DMSO, NaH/DMF, and NaH/DMAc in *The Journal of Organic Chemistry* in 2014–2018.

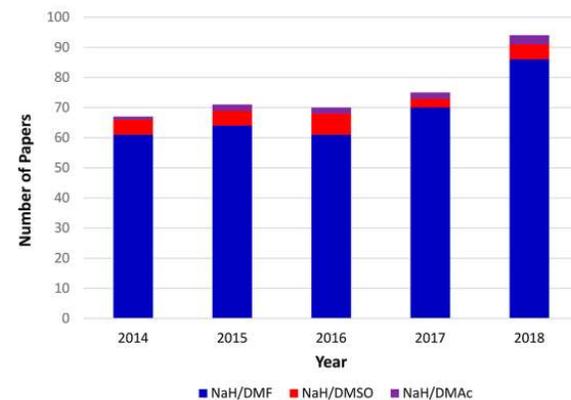


Figure 3. Numbers of publications using NaH/DMSO, NaH/DMF, and NaH/DMAc in the *Journal of Medicinal Chemistry* in 2014–2018.

# Safety Minute – NaH + DMF/DMSO



**Figure 6.** Pictures of (left) a ruptured Hastelloy C ARC cell and (right) the displaced ARC reactor housing resulting from the cell explosion.

**Sample description:** 9.7% NaH + 6.4% mineral oil + 83.9% DMSO

**Onset temperature:** 56.8°C

**Average burst pressure of ARC cell:** 14,500 psi

**Gaseous products detected:** ethylene, DMS, DMSO

**First exothermic event:** start – 109 min, 129 psi  
end – 635 min, 1289 psi

# Safety Minute – NaH + DMF/DMSO – *Better Alternatives*

## Hexanes/acetonitrile: a binary solvent system for the efficient monosilylation of symmetric primary and secondary diols

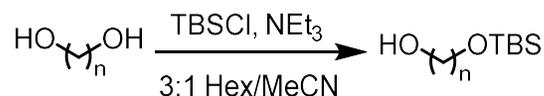


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## A very practical and selective method for PMB protection of alcohols

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