

# HAZARD AND RISK ASSESSMENT FORM

REACTION CLASS

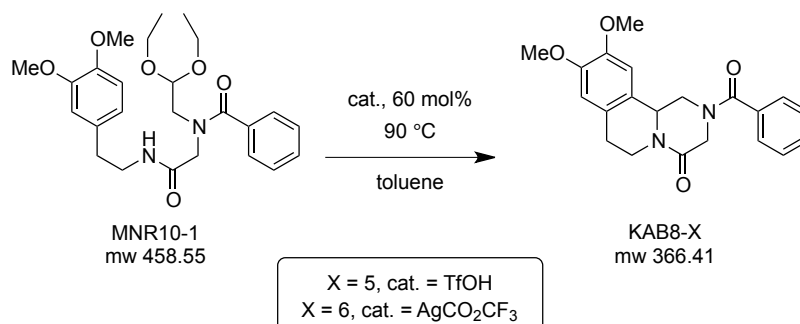
NAME: Katrina Badiola

DATE: 27/01/12

WORKBOOK AND PAGE REFERENCE: KAB8-5 and KAB8-6

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EXPERIMENT (including formula):



Assess **Risk Class** for each reagent, process and product as per sections 4.3 & 4.4 of the safety handbook. **Reaction Class** is then the highest risk class attributed to any individual reagent, process or product. Appropriate **Reaction Label(s)** must be generated for and physically accompany each process (except class 0).

**Risk rating:** How likely is the hazard to hurt or injure someone and how severely? Use one abbreviation from each group: HL = Highly Likely; L = Likely; U = Unlikely; HU = Highly Unlikely **AND** XS = Extremely Severe; S = Severe; M = Moderate; SI = Slight

REAGENTS	Quantity	Risk phrases and disposal	Risk Class	Risk Rating
MNR10-1	160 mg	Treat as hazardous	2	HU, SI
Triflic Acid	16 mg	Corrosive irritant	2	HU, M
Silver(I) Trifluoroacetate	23 mg	Irritant, may be harmful	2	HU, SI

PROCESSES (include distillations, purifications, rotary evaporations and solvent quantities)	Quantity	Risk phrases and disposal	Risk Class	Risk Rating
Toluene	60 mL	Toxic, flammable, irritant	2	HU, SI
Recrystallisation (if necessary), from Ethyl Acetate and Hexane	<50 mL	Flammable	2	HU, SI

PRODUCTS/INTERMEDIATES	Quantity	Risk phrases and disposal	Risk Class	Risk Rating
KAB8	0.1 g	Treat as hazardous	2	HU, SI

EQUIPMENT USED:

Max/Min Temp:	90 C	Max/Min Pressure:	
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HAZARD CONTROL AND SPECIAL STORAGE/WASTE DISPOSAL MEASURES:

Fire: CO<sub>2</sub> extinguisher. Contact with skin/eyes: Flush with water.

Floor Safety Officer's signature (for class 4 reactions)	
Supervisor's name:	Mat Todd
Supervisor's (or designate's) signature:	
Date:	27/01/12