

HAZARD AND RISK ASSESSMENT FORM

REACTION CLASS

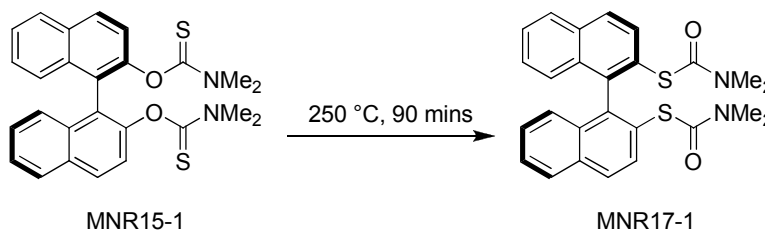
NAME: Murray Robertson

DATE: 31/10/11

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WORKBOOK AND PAGE REFERENCE: MNR17-1

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
MNR15-1	680 mg	Unknown, flammable? Toxic?	2	U, SI

PROCESSES (include distillations, purifications, rotary evaporations and solvent quantities)	Quantity	Risk phrases and disposal	Risk Class	Risk Rating
Column - Chloroform	500 mL	Harmful if swallowed. Harmful: danger of serious damage to health by prolonged exposure through inhalatio. Irritating to skin.	2	U, SI
Rotary evaporation	500 mL	Harmful if swallowed. Harmful: danger of serious damage to health by prolonged exposure through inhalatio. Irritating to skin.	2	U, SI

PRODUCTS/INTERMEDIATES	Quantity	Risk phrases and disposal	Risk Class	Risk Rating
MNR17-1	680 mg	Unknown, flammable? Toxic?	2	U, SI

EQUIPMENT USED: Flasks, stirrer

Max/Min Temp:	250°C	Max/Min Pressure:	bar
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HAZARD CONTROL AND SPECIAL STORAGE/WASTE DISPOSAL MEASURES:

Fire: CO2 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:	Murray Robertson
Date:	31/10/11