Reaction Risk Assessment Form.

Reaction number: AADOIMRH

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Write your reaction here including work-up and purification method (e.g. chromatography). Use the form below to risk assess ALL associated reaction and process conditions (e.g. heating, cooling, vacuum), particular hazards (e.g., exotherm, gas evolution, flooding, asphyxiation, burns - hot or cold, explosion), quench procedures, and waste disposal as well as the chemicals to be used, including your expected product, solvents, and known byproducts.

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Notes 1) Co 2) Co du	n o - O-Ba-L-Asp muses precipi insiderable as ring metheno nt	tation if mounts of addition	a whi of gas i. Add	te solid are evolutions slowly t	ied be son	: to	Route of exposure: 1 Inhalation; 2. Skin/eye contact; 3 Swallowing	Carcinogen, teratogen, mutagen	Very toxic / toxic ORAL	Harmful/Irritant Dermal	sive	Pyrophoric	Highly flammable, flammable	sing	sive	Lachrymator	Other (specify):
3) H	nt cl quenching extract with	1> 1	<i>y</i> = <i>c</i>				Rough SK	Carcin	Very t	Harm	Explosive	Pyrop	High	Oxidising	Corrosive	Lachr	Other
	Compound (1) (2) (3) (4) (5) (6) (7) (8) Repeat experiment New experiment Standard proto Reaction conditions	FW 3 2 3.39 72.11 101.15 136.5 8 37.83 32.0 9 36.96 88.11 ment (this boot (Please titions and actions actions and actions acti	c.7% l.1% o.102 ck one):	Quantity 5,05 60nL 1.7mL 2.0mL 3.5c 1.50mL 40mL of Im 450mL please circle c.	ategory: ce) Nata	A ,,,, l,,,		B	3 3 5 ssess	,	C	0 1		D	1B 7B -	- × × ×	
	Control Measi (please tick box Are specific en	ures: xes) nergency pr or reagent q	Gloves (type): Nitrile: Marigolds: Other: rocedures necessary for this process: Yes/No. If Yes, give details: quench: Quench with Hell produces heat							Othe	Safety screen: Other:						
	Date:				Date:	5 /16/	2012					L			·		

RISK ASSESSMENT TOOL for LABORATORY PROCEDURES

PROCEDURE IDENTIFICATION:

List chemicals used. Attach MSDS and any written procedures.

Equipment Maintenance		Shielding Needed		Ventilation Needed		Personnel Preparedness & Training		Procedure	Special Hazards:	0	Other Hazard: Specify & Score	©	Radiation Hazard	0	Explosive Hazard	. 0	Process Conditions N/A	USE HIGHEST SCORE ONLY Flammable Corrosive Toxic Cryogenic	Hazard Recognition		Chemical Volume(s)
Regularly Performed & Documented	0	Used	0	Hood Used	0	Fully Trained & Prepared	9	Detailed & Written	Inhalation Toxicity 0 5	1 2	Minimal	1 2	Minimal	0	. No	ල	Sub-ambient (P < 1 atm; T < 10°C	6	None	<u></u>	Micro < 0.5 L
ed 2 3 4			3 4	General Lab Only	2 4	Routine	1 2 3 4	Routine	Reactive	3 4	Normal	3 4	Normal	<u></u>	Yes	1 2	Ambient ($P = 1$ atm; $T > 10$ & $< 40^{\circ}$ C)	1 2 2 1 2 2 3 ⊕	Routine	2 (3) 4	Normal 2 L
Never Performed	5	Not Used	5	Not Used	5	Untrained	5	Under Development	· (5)	5	High	5	High			3 5	Extreme	4 4 4 4 4 4 6 4 6 6 6 6 6 6 6 6 6 6	Extreme	5	Large > 2 L

Initial Score:

	RECOM	RECOMMENDED ACTIONS BASED ON SCORE
MOT	<15	Procedure can be performed with routine precautions.
MODERATE	15 - 25	Procedure can be performed with attention given to specific hazards. Supervision is recommended.
HIGH	26 - 30	Procedure may be performed if necessary. High level attention must be given to all hazards. High level, continuous supervision is mandatory.
EXTREME	> 30	Procedure must be revised to lower the risk.

If score is > 25, risk reduction actions should be identified and implemented.

INSTRUCTIONS

Complete the LABRAT as part of the the procedure review. Scoring is based on a 0 - 5 scale, with 0 being "NOT APPLICABLE" and 5 being "Extreme" Your can assign any score to a specific box applicable, even if the score vale is not shown on the RAT. After scoring, interpret the score using the guidelines in the top of the right column. The IC can increase or decrease the assessment, based on the situation.

List Chemicals Used

			Chemical	
			Volume or Weight	