

Mission HAZMAT Inventory (and Log)

NOAA Ship	Bell M. Shimada	Project Name	CalCOFI	Project ID Number	SH-18-01	Chief Scientist Name	Bryan Overcash
Project Start Location	San Diego, CA	Project End Location	San Francisco, CA	Start Date	1-Feb-18	End Date	12-Feb-18
Equipment							

Chemical Name	TO BE COMPLETED BY SCIENTIFIC PARTY PRIOR TO DEPARTURE			TO BE COMPLETED ABOARD THE SHIP							
	Cont. size (units)	Qty. (#)	Total Vol. (units)	Type of Hazard <sup>1</sup>	Responsible Party <sup>2</sup>	Spill Materials & SOPs <sup>3</sup>	Location of Stowage	Verification <sup>4</sup>	Load (initial)	Offload <sup>5</sup> (initial)	
Ethyl alcohol (95%)	20L	4	80L		Amy Hays, Bryan Overcash	Y	Preservation Alcove, under fume hood.	X	X	BH WP	
Formaldehyde solution (37%)	20L	1	20L		Amy Hays, Bryan Overcash	Y	Preservation Alcove, under fume hood.	X	X	BH WP	
Tris buffer	500ml	1	500ml		Amy Hays, Bryan Overcash	Y	Chem lab	X	X	BH WP	
Sodium borate powder	500gr	1	500gr		Amy Hays, Bryan Overcash	Y	Chem lab	X	X	BH WP	
HCl (1.2N)	4L	1	4L		David Wolgast	Y	Chem lab	X	X	DW WP	
Sulfuric acid (10 Normal)	4L	1	4L		David Wolgast	Y	Chem lab	X	X	DW WP	
Acetone (90%)	7L	1	7L		David Wolgast	Y	Wet Lab	X	X	DW WP	
Manganous Chloride	4L	1	4L		David Wolgast	Y	CTD Hanger	X	X	DW WP	
Sodium Hydroxide/Sodium Iodide	4L	1	4L		David Wolgast	Y	CTD Hanger	X	X	DW WP	
Ethanol (95%)	1L	1	1L		David Wolgast	Y	Constant Environment Room	X	X	DW WP	
HCl (12N)	150ml	1	150ml		David Wolgast	Y	Wet Lab	X	X	DW WP	
Isopropyl Alcohol (91%)	30ml	1	30ml		David Wolgast	Y	Wet Lab	X	X	DW WP	
Liquid Nitrogen	50L	1	50L		David Wolgast	Y	Wet Lab	X	X	DW WP	
Acetone (90%)	7L	1	7L		David Wolgast	Y	Wet Lab	X	X	DW WP	

<sup>1</sup> Hazard types include: (i.e. flammable, gas under pressure, oxidizer, explosive, toxic, caustic/corrosive, reactive), using OSHA definitions

<sup>2</sup> Default: 'Responsible Party' is CS; indicate RP only if other than CS

<sup>3</sup> You may reference other documents for more detailed spill response instructions - this field is not intended to include specifics

<sup>4</sup> ship's officer to indicate 'yes' if these items were loaded

<sup>5</sup> CS initials indicate all materials and wastes have been removed from ship

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Cadmium Coil	3g	1	3g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Oxalic acid	850g	1	850g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Sodium dodecyl sulfate	0.8g	1	0.8g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Potassium antimony tartrate	0.34g	1	0.34g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Potassium Phosphate	24g	1	24g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Sodium chloride	100g	1	100g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Sodium Nitrite	1.4g	1	1.4g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Sodium hydrogen carbonate	15g	1	15g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Sodium Hydroxide	10g	1	10g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Sodium Hydroxide	0.1L	1	0.1L		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Ammonia Sulphate	1L	1	1L		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Sodium sulfite	2.4g	1	2.4g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Sulfanilamide	20g	1	20g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
O-phthalaldehyde	4g	1	4g		David Wolgast	Y	Chem Lab	X	X		DW	WP		
Ethanol	1500ml		1500ml		David Wolgast	Y	Chem Lab	X	X		DW	WP		

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											Ship	Ship
HCL (1N)	400ml	1	400ml		Shonna Dovel	Y	Chem Lab	X	X		SD	WP
0.01 mg/ml DAPI 4',6-Diamidino-2-Phenylindole, Dihydrochloride	1ml	4	4ml		Shonna Dovel	Y	Chem Lab	X	X		SD	WP
Buffered Formalin (10%)	2L	1	2L		Shonna Dovel	Y	Chem Lab	X	X		SD	WP
Alkaline Lugol's fixative (100%)	250ml	1	250 ml		Shonna Dovel	Y	Chem Lab	X	X		SD	WP
Paraformaldehyde (10%)	.5L	1	.5L		Shonna Dovel	Y	Chem Lab	X	X		SD	WP
Proflavin (0.033%)	250ml	1	250ml		Shonna Dovel	Y	Chem Lab	X	X		SD	WP
Sodium Thiosulfate (0.190M)	250ml	1	250ml		Shonna Dovel	Y	Chem Lab	X	X		SD	WP
Basic Lugol's fixative (100%)	500ml	1	500ml		Shonna Dovel	Y	Chem Lab	X	X		SD	WP
Ammonium Molybdate	75g	1	75g		David Wolgast	Y	Chem Lab	X	X		SD	WP
Ammonium Sulfate	0.1322g	1	0.132g		David Wolgast	Y	Chem Lab	X	X		SD	WP
Ascorbic acid	46g	1	46g		David Wolgast	Y	Chem Lab	X	X		SD	WP
Brij-35 (15%)	15g	1	15g		David Wolgast	Y	Chem Lab	X	X		SD	WP
Imidazole	8g	1	8g		David Wolgast	Y	Chem Lab	X	X		SD	WP
Copper Sulfate	2g	1	2g		David Wolgast	Y	Chem Lab	X	X		SD	WP
N-(1-naphthyl) ethylenediamine dihydrochloride	2g	1	2g		David Wolgast	Y	Chem Lab	X	X		SD	WP

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