

**MSDS (Material Safety Data Sheet)**  
**Galvanic Copper Backing Concentrate - C1214**

1		Product Identification	
	1	Manufacturer:	
		1 Name:	Angelgilding.com
		2 Street Address:	619 S. Clarence Ave
		3 City, State, and Zip:	Oak Park, IL 60304-1303
		4 24-hour Emergency Number	(708) 383-3340
	2	Product Code(s):	Galvanic Copper Backing Concentrate - C1214
	3	Preparer:	
		1 Name:	M. G. King
		2 Phone Number:	(708) 383-3340
		3 Revision Information:	5/27/2008
2		Composition/Information on Ingredients	
		Per Ingredient:	
		1 Synonyms:	COPPER(II) sulfate, Blue Vitrol, Bluestone, Cupric Sulfate
		2 CAS Id:	7758-99-8
		3 Formula:	CuSO4
		4 Formula Weight:	
		5 Percent:	17
		6 Hazardous:	
		Per Ingredient:	
		1 Synonyms:	D-Mannitol
		2 CAS Id:	69-65-8
		3 Formula:	C6H14O6
		4 Formula Weight:	
		5 Percent:	2
		6 Hazardous:	Not DOT controlled
3		Hazards Identification	
	1	Overview:	
	2	SAF-T-DATA Ratings:	
		1 Health Rating:	
		2 Flammability Rating:	
		3 Reactivity Rating:	
		4 Contact Rating:	
		5 Protective Equipment:	
		6 Storage Color Code:	
	3	Potential Health Effects:	
		1 Inhalation:	
		2 Ingestion:	
		3 Skin Contact:	
		4 Eye Contact:	
		5 Chronic Exposure:	
		6 Aggravation of Pre-existing Conditions:	
4		First Aid Measures	
	1	Inhalation:	
	2	Ingestion:	

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	3	Skin Contact:	
	4	Eye Contact:	
	5	Note to Physician:	
5		Fire Fighting Measures:	
	1	Fire:	
	2	Explosion:	
	3	Fire Extinguishing Media:	
	4	Special Information:	
6		Accidental Release Measures:	
7		Handling and Storage:	
8		Exposure Controls/Personal Protection:	
	1	Airborne Exposure Limits:	
		1 OSHA PEL:	
		2 ACGIH TLV:	
	2	Ventilation System:	
	3	Personal Respirators (NIOSH Approved):	
	4	Skin Protection:	
	5	Eye Protection:	
9		Physical and Chemical Properties:	
	1	Appearance:	Blue liquid
	2	Odor:	
	3	Solubility in water:	
	4	Density (g cm <sup>-3</sup> ):	
	5	pH:	
	6	% Volatiles by volume @ 21C (70F):	
	7	Boiling Point: °C	100
	8	Melting Point (°C):	0
	9	Vapor Density (Air=1):	
	10	Vapor Pressure (mm Hg):	
	11	Evaporation Rate (BuAc=1):	
10		Stability and Reactivity:	
	1	Stability:	
	2	Hazardous Decomposition Products:	
	3	Hazardous Polymerization:	
	4	Incompatibilities:	
	5	Conditions to Avoid:	
11		Toxicological Information:	
		1 Oral rat LD50:	
		2 Tumorigen:	

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		3	Mutagen:	
		4	Reproductive effector:	
		5	Carcinogenicity:	
		6	IARC Category:	
		7	Skin rabbit:	
		8	Eye rabbit:	
		9	Inhalation rat LC50	
12			Ecological Information	
	1		Environmental Fate:	
	2		Environmental Toxicity:	
13			Disposal Considerations:	
14			Transport Information:	
	1		Domestic (Land, D.O.T.):	
		1	Proper Shipping Name:	
		2	Hazard Class:	
		3	UN/NA:	
		4	Packing Group:	
		5	Information reported for product/size:	
	2		International (Water, I.M.O.):	
		1	Proper Shipping Name:	
		2	Hazard Class:	
		3	UN/NA:	
		4	Packing Group:	
		5	Information reported for product/size:	
	3		International (Air, I.C.A.O.):	
		1	Proper Shipping Name:	
		2	Hazard Class:	
		3	UN/NA:	
		4	Packing Group:	
		5	Information reported for product/size:	
15			Regulatory Information:	
	1		TSCA:	
	2		EC:	
	3		Japan:	
	4		Australia:	
	5		Korea:	
	6		Canada	
	7		Chemical Weapons Convention:	
	8		Known to the State of California to cause cancer (Y/N):	
	9		Australian Hazchem Code:	
	10		Poison Schedule:	

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	11	Controlled Products Regulations:	
16		Other Information	
	1	NFPA Ratings:	
		1 Health:	
		2 Flammability:	
		3 Reactivity:	
	2	Label Hazard Warning:	
	3	Label Precautions:	
	4	Label First Aid:	
	5	Product Use:	
	6	Disclaimer:	

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