

MSDS (Material Safety Data Sheet) Gold Solution - C2097

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):	Gold Solution - C2097
	3	Preparer:	
		1 Name:	M. G. King
		2 Phone Number:	(708) 383-3340
		3 Revision Information:	6/14/2008
2		Composition/Information on Ingredients	
		No hazardous components above 1% composition	
		1 Synonyms:	
		2 CAS Id:	
		3 Formula:	
		4 Formula Weight:	
		5 Percent:	
		6 Hazardous:	
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:	GOGGLES; LAB COAT & APRON; PROPER GLOVES
		6 Storage Color Code:	Green (General Storage)
	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:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
	2	Ingestion:	Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
	3	Skin Contact:	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
	4	Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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	5	Note to Physician:	
5		Fire Fighting Measures:	
	1	Fire:	
	2	Explosion:	
	3	Fire Extinguishing Media:	Use any means suitable for extinguishing surrounding fire.
	4	Special Information:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.
6		Accidental Release Measures:	Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment as specified in section on spills: Pick up and place in a suitable container for reclamation or disposal.
7		Handling and Storage:	Keep in a tightly closed light-resistant container, stored in a cool, dry, ventilated area. Protect against physical damage.
8		Exposure Controls/Personal Protection:	
	1	Airborne Exposure Limits:	
		1 OSHA PEL:	
		2 ACGIH TLV:	
	2	Ventilation System:	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.
	3	Personal Respirators (NIOSH Approved):	For conditions of use where exposure to mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
	4	Skin Protection:	Wear impervious protective clothing, including gloves, lab coat or apron, as appropriate, to prevent skin contact.
	5	Eye Protection:	Use chemical safety goggles and/or full face shield where splashing of solutions is possible.
9		Physical and Chemical Properties:	
	1	Appearance:	Yellow solution
	2	Odor:	None
	3	Solubility in water:	Complete
	4	Density (g cm ⁻³):	1
	5	pH:	0.5
	6	% Volatiles by volume @ 21C (70F):	
	7	Boiling Point: °C	100

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	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:	Stable under ordinary conditions of use and storage. Light sensitive.
	2	Hazardous Decomposition Products:	May form chloride, hydrogen chloride, and metallic gold when heated to dryness and decomposition.
	3	Hazardous Polymerization:	
	4	Incompatibilities:	Strong bases.
	5	Conditions to Avoid:	Light, and incompatibles.
11		Toxicological Information:	
	1	Oral rat LD50:	
	2	Tumorigen:	
	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:	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
14		Transport Information:	Not a hazard
	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:	

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		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:	Yes
	2		EC:	Yes
	3		Japan:	Yes
	4		Australia:	Yes
	5		Korea:	Yes
	6		Canada:	Yes
	7		Chemical Weapons Convention:	No
	8		Known to the State of California to cause cancer (Y/N):	No
	9		Australian Hazchem Code:	
	10		Poison Schedule:	
	11		Controlled Products Regulations:	
16			Other Information	
	1		NFPA Ratings:	
		1	Health:	
		2	Flammability:	
		3	Reactivity:	
	2		Label Hazard Warning:	
	3		Label Precautions:	Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.
	4		Label First Aid:	In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. In all cases get medical attention immediately.
	5		Product Use:	Commercial mirroring
	6		Disclaimer:	

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