

**MSDS (Material Safety Data Sheet)**  
**Iron powder - C9288**

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):	Iron powder - C9288
	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:	metallic iron, elemental iron
		2 CAS Id:	7439-89-6
		3 Formula:	Fe
		4 Formula Weight:	55.85 g mol <sup>-1</sup>
		5 Percent:	100
		6 Hazardous:	
3		Hazards Identification	
	1	Overview:	Avoid breathing dust or powder.
	2	SAF-T-DATA Ratings:	
		1 Health Rating:	
		2 Flammability Rating:	Flammable in presence of heat
		3 Reactivity Rating:	
		4 Contact Rating:	
		5 Protective Equipment:	
		6 Storage Color Code:	
	3	Potential Health Effects:	
		1 Inhalation:	Dust may be harmful if inhaled.
		2 Ingestion:	
		3 Skin Contact:	
		4 Eye Contact:	
		5 Chronic Exposure:	
		6 Aggravation of Pre-existing Conditions:	
4		First Aid Measures	
	1	Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
	2	Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
	3	Skin Contact:	Wash with soap and water. Get medical attention if irritation develops.

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	4	Eye Contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
	5	Note to Physician:	
5		Fire Fighting Measures:	
	1	Fire:	
	2	Explosion:	Explosive in presence of open flames and sparks, of heat.
	3	Fire Extinguishing Media:	Small fire: Use DRY chemical powder. Large fire: Use water spray, fog or foam. Do not use water jet.
	4	Special Information:	
6		Accidental Release Measures:	Small spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
7		Handling and Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area. Moisture sensitive.
8		Exposure Controls/Personal Protection:	Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.
	1	Airborne Exposure Limits:	
		1 OSHA PEL:	
		2 ACGIH TLV:	
	2	Ventilation System:	
	3	Personal Respirators (NIOSH Approved):	
	4	Skin Protection:	Gloves
	5	Eye Protection:	Safety glasses
9		Physical and Chemical Properties:	
	1	Appearance:	grey crystalline powder
	2	Odor:	None
	3	Solubility in water:	
	4	Density (g cm <sup>-3</sup> ):	7.86
	5	pH:	
	6	% Volatiles by volume @ 21C (70F):	
	7	Boiling Point: °C	3000
	8	Melting Point (°C):	1535
	9	Vapor Density (Air=1):	
	10	Vapor Pressure (mm Hg):	
	11	Evaporation Rate (BuAc=1):	
10		Stability and Reactivity:	
	1	Stability:	Stable. Reacts slowly with moist air and water.

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	2	Hazardous Decomposition Products:	
	3	Hazardous Polymerization:	
	4	Incompatibilities:	organic acids, strong oxidizing agents, water, mineral acids
	5	Conditions to Avoid:	Dust may form an explosive or combustible mixture with air.
11		Toxicological Information:	
	1	Oral rat LD50:	30000 mg/kg
	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:	
14		Transport Information:	
	1	Domestic (Land, D.O.T.):	Non-hazardous for air, sea and road freight.
	1	Proper Shipping Name:	Metal powder, flammable, n.o.s.(Iron metal powder)
	2	Hazard Class:	4.1 - flammable solid
	3	UN/NA:	3089
	4	Packing Group:	III
	5	Information reported for product/size:	
	2	International (Water, I.M.O.):	
	1	Proper Shipping Name:	
	2	Hazard Class:	Non-hazardous for air, sea and road freight.
	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:	Non-hazardous for air, sea and road freight.
	3	UN/NA:	
	4	Packing Group:	
	5	Information reported for product/size:	
15		Regulatory Information:	
	1	TSCA:	TSCA 8(b) inventory: Iron Metal
	2	EC:	
	3	Japan:	
	4	Australia:	
	5	Korea:	

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

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