



GALVANIZED STEEL



PHOENIX MANUFACTURING



COILS

Gauge	Thickness Min-Nom	With			Color Code
		36	48	60	
30	.0127 - 0.157	X			White
28	.0157 - .0187	X	X		Red
26	.0187 - .0217	X	X	X	Blue
24	.0217 - .0276	X	X	X	Orange
22	.0296 - .0336		X	X	Green
20	.0356 - .0396		X	X	Yellow
18	.0466 - .0516		X	X	Red/Blue
16	.0575 - .0635				Yellow/Green

X = STANDARD STOCK SIZES 20" COIL ID SOLD ON ACTUAL WEIGHT NET FOR NET BASIS. ALL GENERAL METALS STOCK COILS ARE ASTM A527 PRIME LFQ CT DRY



FLAT SHEETS

	Gauge	Lbs/Sq.Ft	36X96	36X120	48X96	48X120	60X120
ALL WEIGHTS ARE BASED ON THEORETICAL NOMINAL WEIGHT USING A DENSITY OF 2904 LBS, PER CUBIC INCH	30	0.65625	15.75	19.69	N/A	N/A	N/A
	28	0.78125	18.75	23.44	25	31.25	N/A
	26	0.90625	21.75	27.19	29	36.25	45.31
	24	1.15625	27.75	34.69	37	46.25	57.81
	22	1.40625	33.75	42.19	45	56.25	70.31
	20	1.65625	39.75	49.69	53	66.25	82.81
	18	2.15625	51.75	64.69	69	86.25	107.81
	16	2.65625	63.75	79.69	85	106.25	N/A

M.S.D.S.

Information & Emergency Telephone Numbers
CHEMTREC (800) 424-9300

I. Identification

Product Name: Galvanized Sheet – Hot Dipped & Electrolytic Coated

CAS No. 65997

II. Ingredients & Recommended Occupational Exposure Limit

Base Metal, Alloying Elements & Metallic Coatings	% Weight	Exposure Limits	
		OSHA Pel.	ACGIV TLV
Base Metal: Iron	Balance	10 mg/M ³ for iron oxide fume	5 mg/M ³ for iron oxide fume
Alloying Elements:			
Carbon	.005/.60	None established	None established
Manganese	.05/1.50	(c) 5 mg/M ³	(c) 5 mg/M ³ – dust 1 mg/M ³ – fume
Phosphorus			13 mg/M ³ as SO ₂
Sulfur			
Aluminum	.15 max	None for inorganic phosphates	None for inorgan. phosphates
Metallic Coating:	.05 max	13 mg/M ³ as SO ₂	5 mg/M ³ as SO ₂
	.10 max	None established	10mg/M ³
Zinc	.10 max	5 mg/M ³	10 mg/M ³ – Total ZnO dust 5 mg/M ³ – Respirable ZnO dust & fume
Aluminum	0.40 max	None established	10 mg/M ³
Antimony	0.02 max	0.5 mg/M ³	0.5 mg/M ³
Lead	0.02 max	0.05 mb/M ³	0.15 mg/M ³
Iron	0.1/1.5	10 mg/M ³ for iron oxide fume	5 mg/M ³ for iron oxide fume

(c) denotes “ceiling limit” which is not to be exceeded at any time

Oil coating may be used

Product may have chromate or phosphate-type surface passivation treatment

Note: All commercial metals contain small amounts of various elements in addition to those specified. These small quantities, frequently referred to as “trace” or “residual” elements generally originate in the raw materials used.

III. Physical Data

Melting Point Appearance Metallic Gray

Base Metal: 2750°F; Metallic Coating: 800-900°F; Odor: No Odor

M.S.D.S.

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Information & Emergency Telephone Numbers

Phoenix	Tucson	Toll Free
602-264-4815	602-622-5855	800-444-9991

IV. Fire & Explosion Hazard Data

Steel Products in their Solid State Present No Fire or Explosion Hazard.

V. Reactivity Data

Stable under normal conditions of use, storage and transportation. Will react with strong acid to liberate hydrogen. At temperatures above the melting point, may liberate fumes containing oxides of iron and alloying elements.

VI. Health Hazard Data

Note: Steel products under normal conditions do not present an inhalation, ingestion or contact health hazard. However, operations such as burning, welding, sawing, brazing, grinding and possibly machining, etc., which results in elevating the temperature of the product to or above its melting point or results in the generation of airborne particulates, may present health hazards.

Effects Of Overexposure:

Major Exposure Hazard	Inhalation	Skin Contact	Eye Contact	Ingestion
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Chronic inhalation of high concentrations of iron oxide fumes or dusts may lead to a benign pneumoconiosis (siderosis). Inhalation of high concentrations of ferric oxide may possibly enhance the risk of lung cancer development in workers exposed to pulmonary carcinogens.

The inhalation of high concentrations of freshly formed oxide fumes and dusts of Manganese, Copper, Lead and/or Zinc in the respirable particle size range can cause an influenza-like illness termed metal fume fever. Typical symptoms last 12 to 48 hours and are characterized by metallic taste in mouth, dryness and irritation of the throat followed by weakness, muscle pain, fever and chills.

Emergency And First Aid Procedures: For overexposure to airborne fumes and particulates, remove exposed person to fresh air. If breathing is difficult or has stopped, administer artificial respiration or oxygen as indicated. Seek medical attention promptly.

Treat metal fume fever by bed rest and administer a pain and fever reducing medication.

VII. Special Protection Information

Respiratory: NIOSH/MSHA-approved dust and fume respirators should be used to avoid excessive inhalation of particulates. Appropriate respirator selection depends on the magnitude of exposure.

Skin: Protective gloves should be worn as required for welding, burning or handling operations.

Eye: Use safety glasses or goggles as required for welding, burning, sawing, brazing, grinding or machining operations.

M.S.D.S.

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Ventilation: Local exhaust ventilation should be provided when welding, burning, sawing, brazing, grinding or machining to prevent excessive dust or fume exposure.

Other Protective Equipment: Depending upon the conditions of use and specific work situations, additional protective equipment and/or clothing may be required to control exposures.

Precautions To Be Taken In Handling And Storage: Operations with the potential for generating high concentrations of airborne particulates should be evaluated and controlled as necessary. Avoid breathing metal fumes and/or dusts

Other Comments: None believed necessary

This information is taken from sources or based upon data believed to be reliable. However, General Metals Mfg. & Supply Co. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.