

I. IDENTIFICATION

PRODUCT NAME: Galvanized Sheet-Carbon Steel
(Hot Dipped)

COMMON NAME(S): Same

CAS NO : 65997-19-5

II. INGREDIENTS AND RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS

NOTE: Steel products under normal conditions do not present an inhalation, ingestion or contact health hazard (See Section VI.).

BASE METAL, ALLOYING ELEMENTS AND METALLIC COATINGS	% WEIGHT	EXPOSURE LIMITS	
		OSHA PEL	ACGIH TLV
Base Metal: Iron	Balance	10 mg/H ³ for iron oxide fume	5 mg/H ³ for iron oxide fume
Alloying Elements: Carbon	.005/.60	None established	None established
Manganese	.05/1.50	(c) 5 mg/H ³	(c) 5 mg/H ³ -dust 1 mg/H ³ -fume
Phosphorus	.15 max	None for inorganic phosphates	None for inorganic phosphates
Sulfur	.05 max	13 mg/H ³ as SO ₂	5 mg/H ³ as SO ₂
Aluminum	.10 max	None established	10 mg/H ³
Metallic Coating: Zinc	8.5/9.9	5 mg/H ³	10 mg/H ³ -Total ZnO dust 5 mg/H ³ -Respirable ZnO dust & fume
Aluminum	0.04 max	None established	10 mg/H ³
Antimony	0.02 max	0.5 mg/H ³	0.5 mg/H ³
Lead	0.02 max	0.05 mg/H ³	0.15 mg/H ³
Iron	0.1/1.5	10 mg/H ³ for iron oxide fume	5 mg/H ³ for iron oxide fume

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

Oil coating may be used; see Annex II.

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. Typical levels of commonly involved trace or residual elements that may be encountered in steel products are provided in Annex I so that their potential hazards may be considered.

III. PHYSICAL DATA

MELTING POINT

BASE METAL: 2750° F

METALLIC COATING: 800-900° F

APPEARANCE AND ODOR: Metallic Gray,
No Odor

IV. FIRE AND EXPLOSION HAZARD DATA

STEEL PRODUCTS IN THE SOLID STATE PRESENT NO FIRE OR EXPLOSION HAZARD.

V. REACTIVITY DATA

Stable under normal conditions of use, storage, and transport. Will react with strong acid to liberate hydrogen. At temperatures above the melting point of the coating, may liberate zinc fumes.



PRIMER-COATED WELDED STEEL TUBING

WARNING! EXPOSURE TO HIGH CONCENTRATIONS OF DUST OR FUME DURING WELDING, BURNING, GRINDING AND MACHINING MAY PRODUCE IMMEDIATE OR DELAYED DAMAGE TO LUNG OR OTHER ORGANS. THE SURFACE COATING OF PAINT PRIMER ON THIS PRODUCT DOES NOT CREATE ANY ADDITIONAL HAZARD.

CANCER HAZARD (FOR HSLA AND ALLOY BASE METAL CONTAINING CHROMIUM AND NICKEL).

PRECAUTIONS: AVOID BREATHING OR INGESTING DUST OR FUME. ADEQUATE VENTILATION IS REQUIRED WHILE WELDING, BURNING, GRINDING AND MACHINING.

FIRST AID: FOR OVEREXPOSURE TO AIRBORNE DUST AND FUME, REMOVE EXPOSED PERSON TO FRESH AIR.

ADDITIONAL INFORMATION: REFER TO MATERIAL SAFETY DATA SHEET.

Welded Tube of America, 1855 East 122nd St., Chicago, IL 60633



COLD FORMED WELDED STEEL TUBING

WARNING! EXPOSURE TO HIGH CONCENTRATIONS OF DUST OR FUME DURING WELDING, BURNING, GRINDING AND MACHINING MAY PRODUCE IMMEDIATE OR DELAYED DAMAGE TO LUNG OR OTHER ORGANS. THE SURFACE COATING OF PAINT PRIMER ON THIS PRODUCT DOES NOT CREATE ANY ADDITIONAL HAZARD.

CANCER HAZARD (FOR HSLA AND ALLOY BASE METAL CONTAINING CHROMIUM AND NICKEL).

IF MATERIAL IS TREATED WITH RUST PREVENTATIVE COATING, AVOID SKIN CONTACT.

PRECAUTIONS: AVOID BREATHING OR INGESTING DUST OR FUME. ADEQUATE VENTILATION IS REQUIRED WHILE WELDING, BURNING, GRINDING AND MACHINING.

FIRST AID: FOR OVEREXPOSURE TO AIRBORNE DUST AND FUME, REMOVE EXPOSED PERSON TO FRESH AIR.

ADDITIONAL INFORMATION: REFER TO MATERIAL SAFETY DATA SHEET.

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