MATERIAL SAFETY DATA SHEET

STEEL PRODUCTS

ORIGINAL ISSUE DATE: 9/AUG./05'

Ⅰ. IDENTIFICATION	WIRE PRODUCTS
PRODUCT NAME: STEEL PRODUCTS: WIRE & WIRE PRODUCTS COMMON NAME(S): SAME	1. 18GA. FINISH BRADS 2. 16GA. FINISH BRADS 3. 18GA. FINISH STAPLE 4. 16GA. MEDIUM CROWN STAPLE 5. 16GA. WIDE CROWN STAPLE

Ⅱ. INGREDIENTS AND RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS

Note: steel products under normal conditions do not present an inhalation

BASEMETAL & METALLIC COATINGS			% WT.	EXPOSURE LIMITS	
CHEMICAL	SYMBOL			OSHA PEL	ACGIH TLV
All Products: Iron	Fe				
Galvanized Products:			95.0	10.0 mg/M^3 fume	5.0 mg/M^3 fume
Zinc	Zn		3.0	5.0 mg/M^3	5.0 mg/M^3

SEE ANNEX 1 FOR BALANCE OF INGREDIENTS. SEE ANNEX 3 FOR ANIL COATINGS.

SECTION 313 – SUPPLIER NOTIFICATION

This product contains threshold concentrations of the following toxic chemicals subjects to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to Know Act of 1986(40CFR372):

Chromium, Manganese, Nickel and Zinc (Galvanized Coating Only) in the amounts noted above and on ANNEX 1.

This information should be included in all MSDS's that are copied and distributed for this material.

Ⅲ. PHYSICAL DATE

SPECIFIC GRAVITY(H=0>1):	7.85	SOLUBILITY IN WATER:	NONE
BOILING POINT(Iron):	4950°F	EVAPORATION RATE (Butyl Acetate=1):	N/A
MELTING POINT(Base Metal):	2400°F	VAPOR PRESSURE(mm Hg):	N/A
MELTING POINT(Metallic Coating):	800°F	VAPOR DENSITY(Air 1):	N/A
APPEARANCE:	Metallic Grey	ODOR:	NONE

Ⅵ. 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, may liberate fumes containing oxides of iron & alloying elements.

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STEEL PRODUCTS- ORIGINAL ISSUE DATE: 9/AUG.05' REVISED:

TYPICAL LEVELS OF TRACE OR RESIDUAL ELEMENTS IN STEELS

All steel products are alloys, which consist primarily of iron (generally 95 %). However, other elements, which are either added intentionally or present as contaminates, or residuals may also occur in these products at low-level concentration (generally <1.0%). These elements may include the following:

ALLOYING & RESIDUAL ELEMENTS				EXPOSURE LIMITS	
CHEMICAL	SYMBOL		% WT.	OSHAPEL	ACGIHTLV
Carbon	C		6		
Manganese	Mn		37		
Phosphorous	P		14		
Silicon	Si		9		
Sulfur	S		5		
Titanium	Ti		42		

(1) Recognized to have human carcinogenic or co-carcinogenic potential; included on IARC & NTP listings.