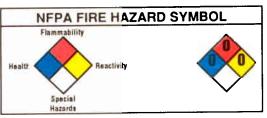
MATERIAL SAFETY DATA SHEET (MSDS)

STAINLESS STEEL





COMBINED METALS OF CHICAGO

LÍMITED PARTNERSHIP

ISSUED: January 1, 1994

	SECTION	EMERGENCY TELEPHONE NO.
TRADE	NAME: Stainless Steel - Sheet, Strip, and Plate	(708) 547-8800
CHEMIC	CAL NAME AND SYNONYMS: NA	

MANUFACTURER'S NAME AND TELEPHONE NO .:

(708) 547-8800 Combined Metals of Chicago

ADDRESS: 2401 W. Grant Ave., Bellwood, IL 60104

SECTION II - HAZARDOUS INGREDIENTS			TLV	PEL	UNITS
CHEMICAL NAME	CAS. NO.				
Iron oxide dust and fume (as Fe)	01309-37-1	50-88	5	10	mg/m ³
Manganese, as Mn(*), Fume	07439-96-5	1-7.5	1	1	mg/m ³
Chromium metal (as Cr), (*)	07440-47-3	0.5-30	0.5	1	mg/m ³
Nickel (*), Metal	07440-02-0	0.5-37	1	1	mg/m ³
Tantalum, metal and oxide dust	07440-25-7	<1.25	5	5	mg/m ³
Aluminum, as Al (*)	07429-90-5	<1.5	5	5	mg/m ³
Molybdenum (Soluble Compounds)	07439-98-7	<4.5	5	5	mg/m ³

ENVIRONMENTAL DATA

• (*) SARA 313 Reportable Chemicals

- CMC steel does not contain and is not manufactured with Class I or Class II Ozone Depleting Chemicals.
- If this product is used for packaging, the combined concentrations of Mercury, Cadmium, Lead and Hexavalent Chromium do not exceed 100 ppm.

SECTION III - PHYSICAL DATA					
BOILING POINT (°F)	NA	SPECIFIC GRAVITY (Water=1)	Approx. 7		
VAPOR PRESSURE (MM Hg.)	NA	PERCENT VOLATILE BY VOLUME	NA		
VAPOR DENSITY (AIR=1)	NA	рН	NA		
SOLUBILITY IN WATER	NA	EVAPORATION RATE	NA		

APPEARANCE AND ODOR Metallic gray-solid block, stainless steel-sheet, strip and plate; no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

UEL: NA FLAMMABLE LIMITS %by Vol. LEL: NA NA FLASH POINT: (Method used)

EXTINGUISHING MEDIA: NA for stainless steel; dry chemical and sand for dust and powder metal fires

SPECIAL FIREFIGHTING PROCEDURES: No special requirements for this product, use traditional firefighting techniques.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA for stainless steel. If present as dust or powder, dust and powder are subject to rapid oxidation.

ADDITIONAL INFORMATION: Stainless steel is not combustible; only dust and powder are subject to exidation and fire.

LEL - Lower Exposure Limit PEL - Permissible Exposure Level

SECTION V - HEALTH HAZARD INFORMATION

ACUTE EFFECTS/SYMPTOMS:

Stainless steel presents no health hazards. Operations which result in generation of metal fume may cause "metal fume fever", symptoms of which include chills and fever which occur several hours after heavy exposure. Symptoms dissipate within a day or two.

CHRONIC EFFECTS/SYMPTOMS:

Stainless steel presents no health hazards. Chromium and nickel fumes are suspect carcinogens and can cause sensitization (allergic contion). Iron ovides can cause a benjan lung condition (siderosis)

reaction). Iron oxide	es can cause a benign lung condition (siderosis).		
CARCINOGENICITY*	NTP yes X no IARC yes X no OSHA yes no X OTHER NIOSH		
	rmation above applies only to components in fume or dust form which can be inhaled.		
	FIRST AID		
EYES	Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention.		
SKIN	For dust and powder forms, wash affected area with soap and water. Get medical help if irritation or rash develops.		
INHALATION	If exposed to welding fume, dust or powder, move victim to fresh air and treat symptomatically.		
INGESTION	Contact local poison control center or physician. Ingestion is not normally expected.		
	SECTION VI - REACTIVITY DATA		
STABILITY	Stable		
INCOMPATIBILITY	For dust and powder forms only, avoid contact with strong acids or bases and chemical oxidizers.		
DECOMPOSITION	For dust and powder forms only, hydrogen gas can be generated in contact with moisture or acids.		
POLYMERIZATION	None		
S	SECTION VII - SPILL OR LEAK PROCEDURES		
PROCEDURES	Stainless steel chips or pieces can be swept and collected for recycle. For dust and powdered forms, clean up using vacuum system to reduce generation of dust.		
WASTE DISPOSAL METHOD	Collect for recycle or sale as scrap steel. Follow local, state and federal regulations.		
SEC	TION VIII - SPECIAL PROTECTION INFORMATION		

RESPIRATORY	If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH-approved respirator for dust and fumes.
EYEWEAR	Wear appropriate eye protection for welding, burning, grinding or cutting.
CLOTHING/GLOVES	Not normally required. If potential for extended contact with dust exists, wear protective gloves.
VENTILATION	Local exhaust may be necessary under some handling/use conditions, such as welding or processing of dust and powdered forms of this product.

SECTION IX - ADDITIONAL INFORMATION

This material presents no health hazards unless it is welded, burned, ground or cut. During these or similar procedures, it is possible that fumes, dust or powder may be generated. Each process or operation should be evaluated to determine the hazard potential.

The information contained herein has been developed based upon currently available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. By furnishing Material Safety Data Sheets, Combined Metals of Chicago makes no warranties expressed or implied, including implied warranties or merchantability and/or fitness for a particular purpose.

