Material Safety Data Sheet

Carbon, High Strength Low Alloy QUICK DENTIFIER Common Name: (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910, 1200. Standard must be consulted for specific requirements.

000321

SECTION 1 -		
Manufacturer's Name Phoenix Steel Corpor	tion	
4001 Philadelphia Piko	Emergency	·
Cary, State, and All	Telephone No. Other	
Claymont, Delaware 19703	Information	302) 798-1411
Signature of Person Responsible for Preparation (Optional)	Date Prepared Me	
SECTION 2 - HAZARDOUS INGREDIT	NTS/IDENTITY	arch 21, 1986
Alexandous Componentis) (chemical & common name(s))	OCIL	NA P
	PF7 mais	optional) NC
Iron Main Ingredient	10 mg/m3 10 mg/m3	1309-3
	(as Iron Oxide (as Iron O Fume) Fume)	xide (as Iron
Manganese 30-1.65		Oxide)
	5 mg/m3 5 mg/m3 (ceiling dust) l mg/m3 fume	7439-96-5
Chromium 080		
Nickel 060	1 / 0	7440-47-3
Arsenic 0025	1 mg/m3 1 mg/m3	7440-02-0
<u>Cadmium 0010</u>	0.5 mg/m3 0.2 mg/m3	7440-38-2
3 1	0.1 mg/m3 0.5 mg/m3 0.3 mg/m3(dust)	7440-43-9
Carbon 060		as carbon 7440-44-0
SECTION 3 - PHYSICAL & CHEMICAL C	IARACTERICTES	black
Soling Point N/A	Specific	
Yapor	Gravity (H,0=1) 7.6-8.16	Vapor Pressure Imm Hgi N/A
Density (Air = 1) N/		
Insoluble Insoluble	Reactivity in Water N/A	
± 400 Gray/No Odor	Melting approx. 2800°-	29000 5
ACTION 4 - FILE & EXPLOSION DAT	Α	2300 F
a Method	Flammaria Limita 1 21	EL.
a'z-Ignition Francisco	10 Air % by Values 1	pper N/A
perature N/A Media	N/A	
≻cial Fire gaung Procedures N/A		
nusual Fire and piceson Hazards None present in prediction		
tone present in product	as sold. Fine metal partic	cles which are produced
uring machining, sawing, grinding,	etc. if present in high con	. ——
n explosion hazard. Good housekee	oing and adequate working :	
	ventilatio	n are recommended
n explosion hazard. Good housekee	oino and adequate ventilatio	n are recommended.

Incompatabi	nstable Conditions table X to Avoid				
Materials to	Avoid)				
fuzardous Decompositio			. ,		
lazardous olymerizatio	May Cecur C Co on Will Not Occur S to	nditions Avoid			
	N 6 - HEALTH H		ATTACHMENT		
MUCOUS	ritation of eye membranes, met	s, nose, throa allic taste in	d.Chrome SEE	ATTACHED/	headaches, asthma, vo
mptoms of	Exposure SEE AT	TACHED		ible dermatitis,	<u>headaches, asthma, vo</u>
ecicai Condi gravated by	otions Generally y Exposure Skin (lisorders and :	espiratory	tract irritation.	
Potential Ca	ed as Carcinogen WICKE. arcinogen Chromium			I.A.R.C. Yes JX Monographs No Z	OSHA Yes 🗆 No 🖫
	ŭ .	ons affected to	fresh air.		ed skin with soap and
water.	, ir condicion	Dereiche don-	1 4	_	
outes (move to fresh air	
TRY	3. Skin Brush off 4. Ingestion	excess dust.		ate. Get medical	
CTION	Not appli			,	
0 4 4 0 1 1	- SI ECIAL PRE	CAUTIONS AND	SPILL/LEAK	PROCEDURES	
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critical in the control of the contr	SEE ATTACHMENT The state of Spilled N/A SEE ATTACHMENT The state of Spilled N/A See above total	OTECTION INFO	RMATION/C	Special	
CTION CT	SEE ATTACHMENT The second of Spilled N/A SEE ATTACHMENT The second of Seco	OTECTION INFO	PRIMATION/C	Special nded N/A	ES Other N/A
CTION CT	SEE ATTACHMENT The state of th	OTECTION INFO e, Section 7. As required Gen on 7 ove, Section 7.	DRMATION/Contained Recomme	Special Inded N/A See above, Sect	ES Other N/A

Inhalation, Skin Contact, Skin Absorption, Eye Contact, Ingestion - Note: Steel products in the natural state do not present an inhalation, ingestion or contact hazard. However, subsequent operations such as burning, welding and grinding may result in the following effects if the PEL's listed in Section II of this MSDS are exceeded.

Attachment to Section 6 - CHRONIC HEALTH HAZARDS

Manganese - Irritation of eyes, nose and throat, bronchitis, pneumonitis, lack of coordination

Chromium - Various forms of dermatitis, inflammation and/or ulceration of upper respiratory tract and possibly cancer of the nasal passages and lungs. Based on available information, there does not appear to be any evidence that exposure to welding fume induces human cancers.

Nickel - same as Chromium

Cadmium fume - pulmonary emphysema

Attachment to Section 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Use general and local exhaust ventilation to keep airborne concentrations of dust and fumes below the TLV/s and PEL's listed in Section II, INGREDIENTS. Employees should wear MSHA or NIOSH approved respirators for protection against high concentrations or airborne dust or fumes.

Full protective clothing should be worn by workers exposed to heavy concentrations of dust.

Gloves and barrier cremes may be necessary to prevent skin sensitization and dermititis.

Approved safety glasses with sideshields or goggles should be worn when working with material. Approved steel toed shoes, with metatarsal guards, should be worn for foot protection.