PREPARED BY DISTRIBUTOR:



A. M. Castle & Co. 3400 N. Wolf Road Franklin Park, IL 60131

MATERIAL SAFETY DATA SHEET

(This product contains one or more toxic chemicals subject to the reporting requirements of section 313 of the EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT of 1986 and of 40CFR72). ISSUE DATE

November 25, 1985

May 1, 2007

For Information or In An Emergency Call: (847) 455-7111

Carlo Service Control (Sec.)	entre liera.			
		•		
	Common A	Izma / Grada On the	- Charlie A00 4040 4040 4040	
Product Name / Trade Name Carbon Steel - HR & CR			Carbon Steel i.e. A36, 1018, 1010, 1040 Pressure Vessel Quality	
	i	l eade	Leaded Carbon i.e. 10L42	
area de la companya	Consequence of a possible of the			
CAS#	WT%(1) O	SHA PEL (mg/g/) (3) A	CGIH 1LV I WA (Unless Noted Otherwise) (mg/m ⁻)	
7420.90.6	97-99	10	5 (As Iron Oxide)	
7433-03-0	51-30	10	5 (As Holl Oxide)	
7439-96-5	<2	5	0.2	
7440-44-0	<2	N.E.	3.5 (As Carbon Black)	
* * * *	_	_	•	
7429-90-5	<1	15	i0 (Total Dust)	
7723-14-0	<1	.1	.1 (Yellow)	
7704-34-9	<1	13	5 (As SO ₂)	
7740-21-3	<1	15	10 (Total Dust)	
7440-62-2	<1	0.5	.05 (As Vanadium Pentoxide Respirable Dust)	
7440-03-1	<1	N.E.	N.E.	
7440-69-9	<1	N.E.	N.E.	
7439-92-1	<1	.05	0.05	
sterial.	(2) 19	96 ACGIH Threshold Li		
	(3) 19	93 OSHA Permissable	Exposure Limit.	
	***	93 OSHA Permissable	·	
	****	93 OSHA Permissable	·	
	****	93 OSHA Permissable ce and Odor		
	Appearan	93 OSHA Permissable ce and Odor Gray-Black, Oc		
	****	93 OSHA Permissable ce and Odor Gray-Black, Octavity	ioriess	
	Appearan	93 OSHA Permissable ce and Odor Gray-Black, Oc	ioriess	
1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	Appearan Specific C	93 OSHA Permissable ce and Odor Gray-Black, Oc travity Approximately	loriess	
1. 1. 2. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	Appearan Specific C	93 OSHA Permissable ce and Odor Gray-Black, Oc travity Approximately	ioriess	
1. 1. 2. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	Appearan Specific C	93 OSHA Permissable ce and Odor Gray-Black, Oc travity Approximately	loriess	
1. 1. 2. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	Appearan Specific C	93 OSHA Permissable ce and Oder Gray-Black, Octavity Approximately	loriess	
	Appearan Specific C	93 OSHA Permissable ce and Oder Gray-Black, Octavity Approximately	loriess	
	Appearan Specific C	93 OSHA Permissable ce and Oder Gray-Black, Octavity Approximately	loriess	
te present no fire or o	Appearan Specific C	93 OSHA Permissable Ce and Odor Gray-Black, Ociravity Approximately	ioriess 7	
te present no fire or o	Appearan Specific C	93 OSHA Permissable ce and Odor Gray-Black, Ochravity Approximately	ioriess 7	
te present no fire or o	Appearan Specific C	93 OSHA Permissable ce and Odor Gray-Black, Ochravity Approximately	ioriess 7	
te present no fire or o	Appearan Specific C	93 OSHA Permissable ce and Odor Gray-Black, Ochravity Approximately	iorless 7	
te present no fire or o	Appearan Specific C	93 OSHA Permissable ce and Odor Gray-Black, Ochravity Approximately	ioriess 7	
te present no fire or o	Appearan Specific C	93 OSHA Permissable ce and Odor Gray-Black, Ochravity Approximately	ioriess 7	
te present no fire or o	Appearan Specific C	93 OSHA Permissable ce and Odor Gray-Black, Ociravity Approximately bility (Materials to Avoid) Reacts with str	ong acids to produce hydrogen gas.	
	7439-89-6 7439-89-6 7439-96-5 7440-44-0 7429-90-5 7723-14-0 7704-34-9 7740-21-3 7440-62-2 7440-03-1 7440-69-9 7439-92-1	Cammon N Cammon N	Common Name / Grado Pressa Leade Represent An Inhalation, Ingestion or Contact Health Hazard. CAS# WT % (1) OSHA PEL (mg/g³) (3) A 7439-89-6 97-99 10 7439-96-5 <2 5 7440-44-0 <2 N.E. 7429-90-5 <1 15 7723-14-0 <1 .1 7704-34-9 <1 13 7740-21-3 <1 15 7440-62-2 <1 0.5 7440-03-1 <1 N.E. 7439-92-1 <1 N.E. 7439-92-1 <1 0.5	

CM 0629-G

	b - Realth Hazard		BOUNDARY COMPANY		tik distributasi di dan Kalifati di Kalifati
NOTE:	STEEL PRODUCTS IN T BURNING, WELDING, S.	HE NATURAL STATE DO NOT PRES AWING, BRAZING AND GRINDING M	ENT AN INHALATION, INGESTION O IAY RELEASE FUMES AND/OR DUST	R CONTACT HAZARD. HOWEVE S WHICH MAY PRESENT HEALT	R, OPERATIONS SUCH AS H HAZARDS IF TLV'S ARE EXCEEDED
MAJOR	EXPOSURE HAZARD		•		
X	Inhalation	Pa Skin Contact	Skin Absorption	Eye Contact	Poingestion
Effects of	Overexposure		,		
	freshly formed o		ese and lead may cause me		tion of high concentrations of ted by a metallic taste in the
					coniosis (siderosis). Inhalation n workers exposed to pulmonary
	abdominal cram	estion of lead particles may ps, anemia, muscle weakne lamage and reproductive eff	ess and headache. Prolonge		
Suspecte	ed Cancer Agent?	NO: This product's ingredients are	e not found in the lists below.		
	-	YES: Federal OSHA			
Emergen	cy and First Aid Procedure	5			
	If exposed to ex	cessive levels of metal fumo	es, remove to fresh air, seek	medical aid immediately	
	Eyes - Flush wit	th water for at least 15 minu	tes.		
Section	n 7 - Spill or Leak F	rocedures	Karang, 4 - Karanggar		
Spill or Le	ak Procedures NA				
Waste De	sposal Methods				
	According to loc	cal, state and federal regulat	ions		
	n 8 - Special Protec	noik			
Respirato		Approved dust and fume, reds TLV's.	espirator should be used to a	avoid excessive inhalation	n of particulates when
Ventilatio		entilation should be utilized ds TLV's.	when welding, burning, saw	ing, brazing, grinding or n	nachining when
Eye Prote	ection and Protective Clothi	ing	11 11 11 11 11		
		or goggles should be utilized he welding standards.	d as required by exposure. (Other protective equipmen	nt should be utilized
Sectio	n 9 - Special Preca	utions '			
	In welding, prec	autions should be taken for	airborne contaminants which	n may originate from com	ponents of the welding rod.
	Arc or spark ger	nerated when welding or but	rning could be a source of ig	nition for combustible and	d flammable materials.
	rmation in this MSDS v		e believe are reliable. However, the	information is provided without a	iny representation or warranty, express or
The cor	iditions or methods of h	- nandling storage, use and disposal c	of the product are beyond our contro age or expense arising out of or in a	and may be beyond our knowle ny way connected with the hand	dge. For this and other reasons, we do not ling, storage, use or disposal of the product.

Data sheets of individual manufacturers may be obtained by contacting A. M. Castle & Co., 3400 N. Wolf Road, Franklin Park, IL 60131 Attn: Corp. Safety Mgr.

