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INSULATION & WIRE PRODUCTS DIVISION

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BLACK ANNEALED CARBON STEEL

<u>ELEMENT:</u>	<u>C.A.S. NO.</u>	<u>WT %</u>	<u>PERMISSIBLE EXPOSURE LIMIT (Mg/M3)</u>	
			<u>P.E.L. (OSHA)</u>	<u>T.V.L. (ACGIH)</u>
IRON	7439-89-6	BALANCE	10	5
MANGANESE	7439-96-5	.25 - 2.0	5	1.0
TRACE ELEMENTS	N.A.	LESS THAN 2.0	NA	NA

PHYSICAL DATA

APPEARANCE AND ODOR: SOLID ORORLESS GREY METAL
BOILING POINT: N/A
MELTING POINT: 2800 DEGREES F
SOLUBILITY IN WATER: N/A
SPECIFIC GRAVITY 7.6 - 7.8
VAPOR PRESSURE: N/A
VAPOR DESSITY N/A
EVAPORATION RATE N/A
% VOLATILE: N/A

COATING DESCRIPTION:

MAY BE LIME, LIME-ATERATE, GREASE, SOAP, COPPER, LIQUOR, PHOSPHATE, OILED

THE POSSIBLE PRESENCE OF THESE COATINGS SHOULD BE RECOGNIZED AND CONSIDERED WHEN EVALUATING POTENTIAL EMPLOYEE HEALTH HAZARDS AND EXPOSURES DURING WELDING OR OTHER DUST/FUME GENERATING ACTIVITIES.

EFFECTS OF OVEREXPOSURE:

INHALATION - ACCUTE EFFECTS HIGH CONCENTRATIONS OF FUME MAY CAUSE RESPIRATORY IRRITATION.
- CHRONIC EFFECTS PROLONGED EXPOSURE TO FUME MAY CAUSE RESPIRATORY DIFFICULTY
SKIN CONTACT - DERMATTITS MAY RESULT FROM PROLONGED OR REPEATED CONTACT WITH COATING
SKIN ABSORPTION - N/A
EYE CONTACT - IRRITATION MAY RESULT FROM CONTACT WITH COATING
INGESTION - N/S

MATERIAL SAFETY DATA SHEETPLAIN CARBON STEELEMERGENCY FIRST AID PROCEDURES:

EYE	FLUSH WITH PLENTY OF WATER
SKIN	WASH CONTAMINATED AREA WITH SOAP AND WATER
INHALATION	MOVE TO FRESH AIR IF FUME EXPOSURE CAUSES IRRITATION
INGESTION	N/A

REACTIVITY DATA:

STABILITY	STABLE
REACTIVITY	MAY REACT WITH ACIDS TO RELEASE HYDROGEN
HAZARDOUS DECOMPOSITION PRODUCTS	FUMES AND/OR GASES PRODUCED FROM WELDING OR BURNING OPERATIONS.

SPECIAL PROTECTION INFORMATION:

VENTILATION REQUIREMENTS	TORCH CUTTING AND WELDING SHOULD BE PERFORMED WITH ADEQUATE VENTILATION
RESPIRATORY PROTECTION	NIOSGH APPROVE FUME REPIRATOR IF TORCH CUTTING OR WELDING IN POORLY VENTILATED AREA.
EYE PROTECTION	REQUIRED FOR GRINDING, WELDING, ETC.
SKIN PROTECTION	USE PROTECTIVE GLOVES IF PROLONGED CONTACT REQUIRED.

SPECIAL PRECAUTIONS:

EFFECTIVE FUME CONTROL NECESSARY.