

CARBON STEEL; HR & CR LEADED CARBON

MSDS Number

BYTJC

National Stock Number

9530-00D004849

Product Name

CARBON STEEL; HR & CR LEADED CARBON

Manufacturer

A M CASTLE AND CO

Product Identification

Product ID: CARBON STEEL; HR & CR LEADED CARBON

MSDS Date: 11/25/1985

FSC: 9530

NIIN: 00D004849

MSDS Number: BYTJC

Responsible Party

A.M.CASTLE & CO.

3400 N. WOLF ROAD

FRANKLIN PARK , IL 60131

US

Emergency Phone: 312-455-7111 DAY 312-455-8986 NIGHT

Info Phone: 312-445-7111

Cage: 11045

Contractor

DRESSER INDUSTRIES, INSTRUMENT DIV.

STRATFORD, CT 06497-5145

US

203-385-0472

Cage: 38056

Ingredients

IRON

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight: 97-99%

MANGANESE (SARA 313)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight:

OSHA PELC 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9495

CARBON

Fraction By Weight:

ALUMINUM (SARA 313)

CAS: 7429-90-5

RTECS: BD0330000

Fraction By Weight:

OSHA PEL15 MG/M3 DUST

ACGIH TLV: 10 MG/M3 DUST; 9495

PHOSPHORUS, AMORPHOUS, RED

CAS: 7723-14-0

RTECS: TH3495000

Fraction By Weight:

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

SULFUR

CAS: 7704-34-9

RTECS: WS4250000

Fraction By Weight:

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9495

VANADIUM (SARA 313)

CAS: 7440-62-2

RTECS: YW1355000

Fraction By Weight:

NIOBIUM (ALSO CALLED COLUMBIUM)

CAS: 7440-03-1

Fraction By Weight:

BISMUTH

CAS: 7440-69-9

RTECS: EB2600000

Fraction By Weight:

LEAD (SARA 313) (CERCLA)

CAS: 7439-92-1

RTECS: OF7525000

Fraction By Weight:

OSHA PELSEE 1910.1025

ACGIH TLV: 0.15MG/M3 DUST; 9495

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

Hazards

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:STEEL PRODUCTS IN THE NATURAL STATE DO NOT PRESENT AND INHALATION, INGESTION OR CONTACT HAZARD. HOWEVER OPERATIONS SUCH AS BURNING, WELDING, SAWING, BRAZING & GRINDING MAY RELEASE FUMES &/OR DUSTS WHICH MAY PRESENT HEALTH HAZARDS IF TLV'S ARE EXCEEDED. CHRONIC INHALATION MAY LEAD TO SIDEROSIS.

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE CARCINOGENIC.

Effects of Overexposure:METAL FUME FEVER (FROM INHALATION OF IRON):METALLIC TASTE IN MOUTH,DRY IRRITATED THROAT,CHILLS,FLU-LIKE SYMPTOMS. INHALATION/INGESTION OF LEAD (POISON):ABDOMINAL CRAMPS, ANEMIA, MUSCLE WEAKNESS, HEADACHE.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION ON MSDS.

First Aid

First Aid:IF EXPOSED TO EXCESSIVE LEVELS OF METAL FUMES, REMOVE TO FRESH AIR, SEEK MEDICAL AID IMMEDIATELY. EYES - FLUSH W/WATER FOR AT LEAST 15 MIN.

Fire Fighting

Fire Fighting Procedures:STEEL PRODUCTS IN THE SOLID STATE PRESENT NOT FIRE OR EXPLOSION HAZARD.

Accidental Release

Spill Release Procedures:MFR GAVE NO INFORMATION ON MSDS.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

Handling

Handling and Storage Precautions:IN WELDING, PRECAUTIONS SHOULD BE TAKEN FOR AIRBORNE CONTAMINANTS WHICH MAY ORIGINATE FROM COMPONENTS OF THE WELDING ROD.

Other Precautions:ARC OR SPARK GENERATED WHEN WELDING OR BURNING COULD BE A SOURCE OF IGNITION FOR COMBUSTIBLE & FLAMMABLE MATERIALS.

Exposure Controls

Respiratory Protection:NIOSH/MSHA - APPROVED DUST & FUME RESPIRATOR SHOULD BE USED TO AVOID EXCESSIVE INHALATION OF PARTICULATES WHEN EXPOSURE EXCEEDS TLV'S.

Ventilation:USE LOCAL VENTILATION WHEN WELDING, BURNING, SAWING, BRAZING, GRINDING OR MACHINING WHEN EXPOSURE EXCEEDS TLV'S.

Protective Gloves:MFR GAVE NO INFORMATION ON MSDS.

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:OTHER PROTECTIVE EQUIPMENT SHOULD BE UTILIZED AS REQUIRED BY THE WELDING STANDARDS.

Work Hygienic Practices:MFR:? HMIS:USE GOOD INDUSTRIAL HYGIENE PRACTICES FOR WELDING. MINIMIZE CONTACT & WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

THIS MSDS COVERS TYPES A36, 1018, 1010, 1040 PRESSURE VESSEL QUALITY LEADED CARBON I,E, 10L42.

Chemical Properties

HCC:N1

NRC/State Lic Num:NONE

Melt/Freeze Pt:M.P/F.P Text:>2500F,>137

Spec Gravity:APPROX. 7

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:GRAY-BLACK SOLID, NO ODOR

Stability

Stability Indicator/Materials to Avoid:YES

REACTS WITH STRONG ACID TO PRODUCE HYDROGEN GAS.

Hazardous Decomposition Products:WELDING DUST OR FUMES MAY BE PRODUCED DURING WELDING, BURNING, GRINDING & POSSIBLY MACHINING. SEE ANSI Z49.1.

Conditions to Avoid Polymerization:MFR GAVE NO INFORMATION ON MSDS.

Disposal

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS

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