

CARBON STEEL HR & CR LEADED CARBON

MSDS Number

BBQFW

National Stock Number

3439-00F004422

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: 03/01/1990

FSC: 3439

NIIN: 00F004422

MSDS Number: BBQFW

Responsible Party

A.M. CASTLE & CO

3400 N WOLF RD

FRANKLIN PARK , IL 60131

Emergency Phone: (708) 455-7111

Info Phone: (708) 455-7111

Cage: 11045

Contractor

CASTLE A M AND CO

FRANKLIN PARK, IL 60131-1319

US

847-455-7111

Cage: 11045

Ingredients

IRON

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight: 97-99%

OSHA PEL10 MG/CUM

MANGANESE, MN COMPOUNDS

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight:

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

CARBON, GRAPHITE

CAS: 7440-44-0

RTECS: FF5250100

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 2 MG/M3 TDUST; 9293

ALUMINUM (POWDER)

CAS: 7429-90-5

RTECS: BD0330000

Fraction By Weight:

OSHA PEL0.1 MG/CUM

ACGIH TLV: 10 MG/CUM (DUST)

PHOSPHORUS (YELLOW & WHITE)

CAS: 7723-14-0

RTECS: TH3500000

Fraction By Weight:

OSHA PEL0.1 MG/CUM

ACGIH TLV: 0.1 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

SULFUR

CAS: 7704-34-9

RTECS: WS4250000

Fraction By Weight:

OSHA PEL5 MG/CUM

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

VANADIUM

CAS: 7440-62-2

RTECS: YW1355000

Fraction By Weight:

OSHA PELC,0.5 MG V205/M3 RD

ACGIH TLV: 0.05 MG V205/M3;9293

COLUMBIUM, NIOBIUM

CAS: 7440-03-1

Fraction By Weight:

BISMUTH

CAS: 7440-69-9

RTECS: EB2600000

Fraction By Weight:

ACGIH TLV: 10 MG/CUM

LEAD, INORGANIC LEAD (SUSPECTED HUMAN CARCINOGEN BY IARC,

CAS: 7439-92-1

RTECS: OF7525000

Fraction By Weight:

OSHA PEL0.05 MG/CUM

ACGIH TLV: 0.15 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYES: IRRITATION. INHALATION:
RESPIRATORY SYSTEM/THROAT IRRITATION/METAL FUME FEVER/METALLIC
TASTE IN MOUTH/INFLUENZA-LIKE SYMPTOMS/BENIGN PNEUMOCONIOSIS
(SIDEROSIS)/LEAD POISONING SYMPTOMS SUCH AS AB DOMINAL
CRAMPS/ANEMIA/MUSCLE WEAKNESS/HEADACHE/BEHAVIORAL CHANGE/KIDNEY
DAMAGE/CNS DAMAGE/REPRODUCTIVE EFFECTS.
Explanation of Carcinogenicity:LEAD IS A SUSPECTED HUMAN CARCINOGEN BY
ACGIH.
Effects of Overexposure:INHALATION/INGESTION: LEAD-INDUCED SYSTEMIC
TOXICITY. INHALATION: OXIDE FUMES OF IRON, MANGANESE, & LEAD MAY
CAUSE METAL FUME FEVER, METALLIC TASTE IN MOUTH, THROAT IRRITATION,
INFLUENZA-LIKE SYMPTOMS . IRON OXIDE FUMES/DUST MAY LEAD TO BENIGN
PNEUMOCONIOSIS (SIDEROSIS). FERRIC OXIDE MAY ENHANCE RISK OF LUNG
CANCER.

First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH W/WATER FOR AT
LEAST 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Fire Fighting Procedures:STEEL PRODUCTS IN THE SOLID STATE PRESENT NO
FIRE OR EXPLOSION HAZARD.

Handling

Handling and Storage Precautions:IN WELDING, PRECAUTIONS SHOULD BE
TAKEN FOR AIRBORNE CONTAMINATES WHICH MAY ORIGINATE FROM COMMENTS
OF THE WELDING ROD.
Other Precautions:ARC OR SPARK GENERATED WHEN WELDING OR BURNING COULD
BE A SOURCE OF IGNITION FOR COMBUSTABLE AND FLAMMABLE MATERIALS.

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED DUST & FUME RESPIRATOR
WHEN >TLV.
Ventilation:LOCAL EXHAUST WHEN WELDING/BURNING/SAWING/BRAZING/GRINDING

OR MACHINING TO KEEP Protective Gloves:AS REQUIRED
Eye Protection:SAFETY GLASSES OR GOGGLES
Other Protective Equipment:AS REQUIRED
Supplemental Safety and Health

Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:>2500F
Spec Gravity: 7
Appearance and Odor:GRAY-BLACK SOLID, ODORLESS

Stability

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS
Hazardous Decomposition Products:HYDROGEN GAS, METALLIC DUST OR FUMES
MAY BE PRODUCED DURING WELDING, BURNING, GRINDING, & POSSIBLE
MACHINING.

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, &
FEDERAL REGULATIONS.

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