

rebar.txt

BlueLinx Corporation
Carbon and Alloy Steel (Rebar)
Manufacturer MSDS Number: 3

SECTION 1 : Chemical Product and Company Identification

MSDS Name: Carbon and Alloy Steel (Rebar)
Manufacturer Name: Nucor Steel
Address:
P. O. Box 100
West Cemetery Road
Plymouth, UT 84330

EMERGENCY TELEPHONE NO.: (435) 458-2300

Business Phone: (435) 458-2300
For information in North America, call: (435) 458-2300
Manufacturer MSDS Revision Date:
05/10/2004
Supersedes: 11/6/96
Supersedes: New

Distributor Name: BlueLinx Corporation
Distributor Address:
4300 Wildwood Parkway
Atlanta, GA 30339
Distributor Telephone: (866) 866-BLUE (2583) (MSDS Request)

SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name
Iron % weight
94-98%

OSHA PEL TWA: 10 mg/m³
ACGIH TLV TWA: 5 mg/m³
Chemical Name
Chromium % weight
0.0-1.2%

OSHA PEL TWA: 1.0 mg/m³
ACGIH TLV TWA: 0.5 mg/m³
Chemical Name
Nickel % weight
0.0-1.0%

OSHA PEL TWA: 1.0 mg/m³
ACGIH TLV TWA: 0.1 mg/m³
Chemical Name
Manganese % weight
0.3-1.6%

OSHA PEL TWA: 5 mg/m³
ACGIH TLV TWA: 1.0 mg/m³
Chemical Name
Molybdenum % weight
0.00-0.35%

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OSHA PEL TWA: 5 mg/m3
ACGIH TLV TWA: 5 mg/m3
Chemical Name
Copper % weight
0.1-1.0%

OSHA PEL TWA: 0.1 mg/m3
ACGIH TLV TWA: 0.2 mg/m3
Chemical Name
Silicon % weight
0.0-2.0%

OSHA PEL TWA: Not established
ACGIH TLV TWA: 10 mg/m3
Chemical Name
Carbon % weight
0.05-1.00%

OSHA PEL TWA: Not established
ACGIH TLV TWA: Not established
Chemical Name
Cadmium % weight
< 0.1%

OSHA PEL TWA: 0.1 mg/m3
ACGIH TLV TWA: 0.05 mg/m3

SECTION 3 : Physical And Chemical Characteristics

Physical State/Appearance:

Solid

Odor:

Odorless

None

Vapor Pressure:

Not Applicable

Vapor Density:

Not Applicable

Boiling Point:

Not Applicable

Melting Point:

2800 deg F

Solubility:

In H2O: Not Applicable

Specific Gravity:

7.8

Evaporation Point:

Not Applicable

FlashPoint:

None

Upper Flammable Explosive Limit:

Not Applicable

Lower Flammable Explosive Limit:

Not Applicable

SECTION 4 : Fire And Explosion Hazards

Flash Point:

None

Upper Flammable or Explosive Limit: Not Applicable

Lower Flammable or Explosive Limit: Not Applicable

Extinguishing Media:

No Fire or Explosion Hazard

Fire Fighting Instructions:

Not Applicable

Unusual Fire Hazards:

Not Applicable

SECTION 5 : Health Hazards

Applies to All Ingredients:

Route of Exposure:

Inhalation, Ingestion

Potential Health Effects:

Prolonged, repeated exposure to fumes or dust generated during cutting, welding or grinding operations may cause impairment of lung function, pneumonitis, "metal fume fever."

Carcinogenicity:

Not Applicable

Signs/Symptoms:

Irritation of the nose, throat or eyes: cough, headache, nausea, fever.

Aggravation of Pre-Existing Conditions:

Dermatitis, pulmonary disease, speech disorders.

SECTION 6 : Emergency And First Aid Procedures

Other First Aid:

In case of overexposure, move person from contaminated area to fresh air. If eyes are irritated, flush with water. Seek medical aid if necessary.

SECTION 7 : Reactivity Data

Chemical Stability:

Stable

Incompatibilities with Other Materials:

None

Hazardous Polymerization:

Will not occur

Hazardous Decomposition Products:

Metal fumes and certain noxious gases may be produced during burning or welding

SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:

Not Applicable

Other Precautions:

Not Applicable

Handling:

Not Applicable

Storage:

Not Applicable

Hygiene Practices:

Remove combustibles from area when cutting or welding.

Waste Disposal:

Not Applicable

SECTION 9 : Control Measures

Ventilation System:

Mechanical: when required

Special: None

Local Exhaust:

Allow for adequate ventilation

Other Exhaust Information:

None

Hand Protection Description:

PROTECTIVE GLOVES: Use gloves when cutting, welding or grinding.

Eye/Face Protection:

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Use face shield and appropriate eye protection when cutting, welding or grinding.

Respiratory Protection:

Use NIOSH approved dust/fume respirator if contaminant levels exceed the PEL or TLV.

Other Protective:

Use welders apron when welding.

WORK/HYGIENIC PRACTICES: Remove combustibles from area when cutting or welding.

SECTION 10 : Other Information

MSDS Revision Date:

05/10/2004

Supersedes: 11/6/96

Supersedes: New

Disclaimer:

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This MSDS is based upon the corresponding MSDS created by Nucor Steel (Plymouth, UT).

Key/Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

C: Ceiling Limit

CAS: Chemical Abstract Services Number

CFR: Code of Federal Regulations

DOT: Department of Transportation

DSL: Domestic Substance List

EPA: Environmental Protection Agency

HEPA: High Efficiency Particulate Air

HMIS: Hazardous Material Identification System

IARC: International Agency for Research on Cancer

NIOSH: National Institute for Occupational Safety and Health

NJTSTR: New Jersey Trade Secret Registry

NSL: Non-Domestic Substance List

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PPE: Personal Protective Equipment

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

TWA: Time Weighted Average

WHIMS: Workplace Hazardous Materials Information System

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