

## **CARBON AND ALLOY STEELS, ALLOY SBQ**

### **MSDS Number**

BSBLQ

### **National Stock Number**

9650-00N040569

### **Product Name**

CARBON AND ALLOY STEELS, ALLOY SBQ

### **Manufacturer**

INTERSTATE STEEL SUPPLY CO

### **Product Identification**

Product ID: CARBON AND ALLOY STEELS, ALLOY SBQ

MSDS Date: 01/08/1993

FSC: 9650

NIIN: 00N040569

MSDS Number: BSBLQ

### **Responsible Party**

INTERSTATE STEEL SUPPLY CO

1800 E BYBERRY RD

PHILADELPHIA , PA 19116-3012

US

Emergency Phone: 215-673-0300

Info Phone: 215-673-0300

Cage: 3M752

### **Contractor**

INTERSTATE STEEL SUPPLY CO

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### **Ingredients**

CAN CAUSE PNEUMONITIS.

RTECS: 9999999ZZ

INTO STREET CLTHS. BARRIER CREAMS MAY BE

RTECS: 9999999ZZ

AIRBORNE DUST CONCENTRATIONS AT A MINIMUM.

RTECS: 9999999ZZ

IRON

CAS: 1309-37-1

RTECS: NO7400000

Fraction By Weight: >94%

OSHA PEL10 MG/M3 (FE)

ACGIH TLV: 5 MG/M3 (FE)

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight:

OSHA PEL5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST

CARBON BLACK; (CARBON) PEL/TLV AS CARBON BLACK

CAS: 1333-86-4

RTECS: FF5800000

Fraction By Weight:

OSHA PEL3.5 MG/M3

ACGIH TLV: 3.5 MG/M3

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight:

OSHA PEL10 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

NICKEL (SARA III)

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight:

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3

CHROMIUM (SARA III)

CAS: 7440-47-3

RTECS: GB4200000

Fraction By Weight:

OSHA PEL1 MG/M3

ACGIH TLV: 0.5 MG/M3

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

MOLYBDENUM

CAS: 7439-98-7

RTECS: QA4680000

Fraction By Weight:

OSHA PEL10 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

DUST/FUMES. PRE-EMPLOYMENT & PERIODIC MED EVALS

RTECS: 9999999ZZ

SKIN, EYES, RESP TRACT, PULM FUNC, & NEUROLOGIC

RTECS: 9999999ZZ

CHANGES IN WORKERS, POTNTLY LEADING TO

RTECS: 9999999ZZ

METAL FUME FEVER W/FLU-LIKE SYMPS,& COPPER MAY

RTECS: 9999999ZZ

FUMES CAN CAUSE CHRONIC MANGANESE POIS. EARLY SYMPS

RTECS: 9999999ZZ

CHRONIC OVEREXP CAN AFFECT CNS, ULTIMATELY LEADING

RTECS: 9999999ZZ

CHROMIUM & NICKEL CMPDS HAVE BEEN ASSOC W/ALLERGIC

RTECS: 9999999ZZ

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: UNDER NORM HNDLG & USE, EXPOS TO MASS FORM OF CARBON STEEL PRESENTS FEW HLTH HAZS. THERM CUTTING & MELTING OF STEEL MAY PRDCE FUMES CONTAINING COMPONENT ELEMENTS, & BRTHG THESE FUMES MAY PRESEN T POTNTLY SIGNIFICANT HLTH HAZS. EXPOS LEVS IN ING SEC ARE RELEVANT TO FUMES & DUSTS. SPECIAL PRECS (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NICKEL: ANTICIP TO BE A CARCIN (NTP 6TH ANN RPT, '91), GRP 2B (IARC VOL49, P257, '90).

Effects of Overexposure:HLTH HAZ: SHLD BE TAKEN IF STEEL IS CONTAMD; SEE SPECIAL PRECS. CHRONIC: CHRONIC OVEREXP TO IRON OXIDE FUMES MAY CAUSE AN APPARENTLY BENIGN PNEUMOCONIOSIS (SIDEROSIS W/FEW OR NO SYMPS). OVEREXP TO DUS TS & ESPEC FUMES CONTAINING COMPONENT ELEMENTS OF FERROUS ALLOYS MAY CAUSE SKIN, NOSE, MOUTH,& EYE IRRIT & LUNG (ING 10)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:EYE: FLUSH WELL WITH RUNNING WATER FOR AT LEAST 15 MINUTES TO REMOVE PARTICULATE. GET MEDICAL ATTENTION. SKIN: BRUSH OFF EXCESS

DUST. WASH AREA WELL WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. INGESTION: SEEK MEDICAL HELP IF LARGE QUANTITIES OF MATERIAL HAVE BEEN INGESTED. (INGESTION OF SIGNIFICANT AMOUNTS OF SCRAP METAL IS UNLIKELY).

## Fire Fighting

Extinguishing Media:USE SPECIAL MIXTURES OF DRY CHEMICAL, OR SAND.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:SOLID, MASS FORM OF MATL IS NOT COMBUST. FIRE & EXPLO HAZS ARE MOD WHEN MATL IS IN FORM OF DUST & EXPOS TO HEAT/FLAMES, OR BY CHEM RXN. FIRES HAVE BEEN (SUPDAT)

## Accidental Release

Spill Release Procedures:NO SPECIAL PRECS ARE NECESSARY FOR SPILLS OF BULK MATERIAL. IF LARGE QUANTITIES OF DUST ARE SPILLED, REMOVE BY VACUUMING OR WET SWEEPING TO PREVENT HEAVY CONCS OF AIRBORNE DUST. CLEAN-UP PERSONNEL SHOULD WEAR NIOSH/MSHA APPROVED RESP AND PROT CLTHG.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE MATERIAL AWAY FROM INCOMPATIBLE MATERIALS, AND KEEP DUST AWAY FROM SOURCES OF IGNITION.

Other Precautions:MATL IS POTNTLY CONTAMD W/COATINGS, PAINTS, PRESERVATIVES, CUTTING OILS, & OTHER CONTAMS. IF MATL IS CONTAMD, SPECIAL PRECS (SUCH AS PROCESS CNTRL) & PERS PROT EQUIP, APPROP TO NATURE OF SUSPECTED CON TAINANTS) SHOULD BE TAKEN TO (SUPDAT)

## Exposure Controls

Respiratory Protection:EMPLOYEES SHOULD WEAR NIOSH/MSHA APPROVED RESPIRATORS FOR PROTECTION AGAINST AIRBORNE DUST OR FUMES.

Ventilation:USE GENERAL AND LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS OF DUST OR FUMES BELOW TLV.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROX CHEMICAL WORKERS GOGGLES (FP N

Other Protective Equipment:FULL PROT CLTHG SHOULD BE WORN BY WORKERS EXPOS TO HVY CONCS OF DUST,& SHOWERING SHOULD BE REQD BEFORE CHANGING (ING 16)

Work Hygienic Practices:FOOD SHOULD NOT BE CONSUMED IN WORK AREA. USE GOOD HOUSEKEEPING PRACTS TO PVNT ACCUMULATIONS OF DUST & TO KEEP (ING 17)

Supplemental Safety and Health

BP: 5432F,3000C(IRON DUST). MP:>2500F,>1371C. VP:1 @ 1787C (IRON DUST).EXPLO HAZ: REPORTED IN PILES OF FINE SCRAP, PROBABLY DUE TO CONTAM FROM OIL/OTHER MATLS WHICH SUPPORT COMBUST. POWDERED CHROMIUM MAY EXPLO SPONT IN AIR. OTHER PRECS:AVOID RSLTG EXPOS WHEN HNDLG, CUTTING (MECH/THERM), &/OR MELTING. AVOID BRTHG(ING 8)

## Chemical Properties

Boiling Pt:B.P. Text:SUPP DATA

Melt/Freeze Pt:M.P/F.P Text:SUPP DATA

Vapor Pres:SUPP DATA

Spec Gravity:7.84 @ 60F

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY.

## Stability

Stability Indicator/Materials to Avoid:YES

ACIDS, BASES, AND OXIDIZERS. FOR ADDNL INFO, USERS SHOULD CONSULT DATA SHEETS ON INDIVIDUAL COMPONENT ELEMENTS.

Stability Condition to Avoid:DUST PRESENTS MODERATE FIRE AND EXPLOSION HAZARDS.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

## Disposal

Waste Disposal Methods:STEEL CAN BE RECLAIMED FOR REUSE. FOLLOW

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## FEDERAL, STATE AND LOCAL REGULATIONS REGARDING DISPOSAL.

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