

BROOKFIELD WIRE CO INC -- STAINLESS NICKEL,NICKEL-COPPER,NICKEL-CHROMIUM-IRON  
ALLOYS -- 9525-00-409-1866

===== Product Identification =====

Product ID:STAINLESS NICKEL,NICKEL-COPPER,NICKEL-CHROMIUM-IRON ALLOYS

MSDS Date:11/21/1985

FSC:9525

NIIN:00-409-1866

MSDS Number: BWZLK

=== Responsible Party ===

Company Name:BROOKFIELD WIRE CO INC

Box:248

City:BROOKFIELD

State:MA

ZIP:01506-0248

Country:US

Inf

o Phone Num:617-867-6474

Emergency Phone Num:617-867-6474

CAGE:94129

=== Contractor Identification ===

Company Name:BROOKFIELD WIRE CO INC

Box:City:BROOKFIELD

State:MA

ZIP:01506-0248

Country:US

Phone:617-867-6474

CAGE:94129

===== Composition/Information on Ingredients =====

Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:COBALT (

SARA 313)  
CAS:7440-48-4  
RTECS #:GF8750000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.02 MG/M3; A3; 9495

Ingred Name:COPPER (SARA 313) (CERCLA)  
CAS:7440-50-8  
RTECS #:GL5325000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2 MG/M3 FUME; 9495  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3 (TDUST)  
ACGIH TLV:5 MG/M3 (OXIDE FUME)

Ingred Name:MANGANESE (  
SARA 313)  
CAS:7439-96-5  
RTECS #:OO9275000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9495

Ingred Name:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 PPM.  
ACGIH TLV:10 PPM.

Ingred Name:NICKEL (SARA 313) (CERCLA)  
CAS:7440-02-0  
RTECS #:QR5950000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9495

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 M

G/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9495

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS NOT RELEVANT.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:LUNGS. ACUTE- NOT  
HAZARDOUS IN SOLID FORM. METAL FUMES, OXIDES/DUST MAY CAUSE DRYNESS  
OF THROAT, HEADACHE, DIZZINESS, FEVER, Watery Eyes, Chest Pain,  
Breathing Diffi  
CULTY, COUGHING. SOME TOXIC GASES MAY CAUSE  
PULMONARY EDEMA & EXCESSIVE EXPOSURE CAN BE FATAL. CHRONIC- MAY  
CAUSE NEUROLOGICAL & LUNG DAMAGE.  
Explanation of Carcinogenicity:CONTAINS CHROMIUM AND NICKEL.  
Effects of Overexposure:NAUSEA, Watery Eyes, DRY THROAT, SHORTNESS OF  
BREATH, FEVER, HEADACHE, BREATHING DIFFICULTY, CHEST PAIN,  
DIZZINESS  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING  
RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE  
WELD  
ING FUMES.

===== First Aid Measures =====

First Aid:EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED  
CROSS. INHALATION:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF  
NEEDED. CALL PHYSICIAN. EYES:FLUSH WITH WATER FOR 15 MINUTES,  
HOLDING EYELIDS O PEN. SKIN:WASH WITH SOAP & WATER. FOR HOT METAL  
BURNS, EXPOSED AREA SHOULD BE COOLED WITH WATER. ORAL:INGESTION OF  
SOLID WIRE IS UNLIKELY TO OCCUR.

===== Fire Fighting M  
easures =====

Flash Point:NONE  
Extinguishing Media:THIS ALLOY IS NONCOMBUSTIBLE. TO EXTINGUISH A METAL  
POWDER FIRE, USE DRY SAND, DRY GRAPHITE OR OTHER CLASS "D" POWDER.  
Fire Fighting Procedures:WEAR PROTECTIVE EQUIPMENT AND NIOSH-APPROVED  
SELF CONTAINED BREATHING APPARATUS. NEVER USE WATER AS AN  
EXTINGUISHING MEDIA IN AREAS NEAR MOLTEN METAL.

===== Accidental Release Measures =====

Spill Release Procedures:CAREFULLY VACUUM ANY GRINDING

DUST OR WASTE  
RESIDUES AND PLACE IN PROPER CONTAINER FOR LATER DISPOSAL. AVOID  
RAISING DUST. WEAR PROTECTIVE EQUIPMENT IF NECESSARY.  
Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM INCOMPATIBLE MATERIALS.  
FOOD AND DRINK SHOULD NOT BE CONSUMED IN AREAS WHERE SOLDER MAY BE  
USED.  
Other Precautions:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND  
DRINKING. AVOID BREATHING FUMES, VAPORS AND DUSTS. KEEP OUT OF  
REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. AVOID EYE AND SKIN  
CONTACT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY  
PROTECTION WHEN GRINDING, WELDING, BRAZING OR SOLDERING IN CONFINED  
SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE  
BELOW TLV.  
Ventilation:LOCAL EXHAUST AT THE ARC (OR FLAME), OR BOTH, TO KEEP THE  
FUMES AND GASES BELOW PEL'S, TLV'S OR STEL'S IN BREATHING ZONE  
Protective Gloves:WELDER'S GLOVE  
Eye Protection:PROTECTIVE FACE SHIELD  
Other Protective Equipment:EYE WASH STATION, APRONS, HATS, ARM &  
SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.  
Work Hygienic Practices:WEAR HEAD AND BODY PROTECTION WHICH HELP TO  
PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.  
Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:N1  
NRC/State Lic  
Num:NOT RELEVANT  
Viscosity:NOT RELEVANT  
Evaporation Rate & Reference:NOT RELEVANT  
Solubility in Water:INSOLUBLE  
Appearance and Odor:ROUND AND FLATTENED WIRE

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS  
Stability Condition to Avoid:MOISTURE  
Hazardous Decomposition Products:CARBON MONOXIDE, NITROGEN DIOXIDE,  
CHROMIUM, MOLYBDENUM, NICKEL,OZONE, PHOSGENE AND FUMES OF COPPER,  
COBALT, IRON, MN

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===== Disposal Considerations =====

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. SCRAP OR WASTE SOLDER SHOULD BE RECYCLED OR STORED IN SEALED, DRY CONTAINERS FOR LATER DISPOSAL. DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

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