

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

=====

===== 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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.