

BROOKFIELD WIRE CO INC -- STAINLESS (300 & 400 SERIES),NI,NI-CU AND NI-CR-FE ALLOYS --
9525-00-529-0442

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

Product ID:STAINLESS (300 & 400 SERIES),NI,NI-CU AND NI-CR-FE ALLOYS

MSDS Date:10/13/1997

FSC:9525

NIIN:00-529-0442

Status Code:A

MSDS Number: CHYYQ

=== Responsible Party ===

Company Name:BROOKFIELD WIRE CO INC

Box:248

City:BROOKFIELD

State:MA

ZIP:01506-0248

Country:US

Info 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

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===== 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; 9596

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; 9596

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; 9596
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 (FUME)
ACGIH TLV:0.2 MG/M3; 9596

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; 9596

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9596

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL, 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: EYES, SKIN, LUNG, CNS.

ACUTE- NO HAZARD AS WIRE. DUST CAN IRRITATE EYES & RESPIRATORY TRACT. FUMES CAN CAUSE IRRITATION, CNS EFFECTS. MAY CAUSE METAL FUME FEVER. ARC RAYS CAN INJURE EYE S & BURN SKIN. ELECTRIC SHOC

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CAN KILL.INGESTION IS UNLIKELY. CHRONIC- NEUROLOGICAL DAMAGE, LUNG FIBROSIS & DAMAGE.

Explanation of Carcinogenicity:CONTAINS NICKEL AND CHROMIUM.

Effects of Overexposure:FUMES OR DUST: IRRITATION, COUGH, WHEEZING AND SHORTNESS OF BREATH, DECREASED PULMONARY FUNCTION, HEADACHE, NAUSEA, VOMITING, WEAKNESS, CONVULSION

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE E FFECTS OF THIS PRODUCT.

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First Aid Measures
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First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EMPLOY FIRST AID TECHNIQUE RECOMMENDED BY RED CROSS. IF BREATHING IS DIFFICULT, PROVIDE OXYGEN/CPR. FOR ELECTRIC SHOCK, DISCONNECT POWER. FOR ARC BURNS, APPL Y COLD, CLEAN COMPRESSES & CALL A PHYSICIAN. IF EYE CONTACT, FLUSH WITH WATER FOR 15 MINUTES. IF SKIN CONTACT, WASH WITH SOAP & WATER.

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Fire Fighting M
asures
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Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:TREAT AS A METALLIC FIRE. WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:MAY FORM TOXIC FUMES. WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES AND FLAMMABL

ES.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE AND PLACE IN SUITABLE CONTAINER FOR DISPOSAL. AVOID GENERATING AIRBORNE DUST. AVOID INHALATION OF DUST.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A DRY PLACE AWAY FROM INCOMPATIBLES. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:AVOID INHAL

ATION AND EXCESSIVE SKIN CONTACT. AVOID

BREATHING OF FUMES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING. REMOVE CONTAMINATED CLOTHING. LAUNDRY BEFORE REUSE.

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

Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY PROTECTION OR RESPIRABLE FUME RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST VENTILATION DOES

NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE GENERAL & LOCAL EXHAUST AT FLAME TO KEEP FUMES AND GASES BELOW TLV'S IN THE WORKER'S BREATHING ZONE & GENERAL AREA.

Protective Gloves:WELDER'S GLOVE

Eye Protection:HELMET/FACE SHIELD WITH FILTER LENS

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, APRON (ALUMINIZED), EAR PROTECTION (TO AVOID EXCESSIVE NOISE)

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

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:SOLID WIRE (ROUND OR FLATTENED)

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:WELDING ARCS

Hazardous Decomposition Products:WELDING FUMES (OXIDES OF METAL BEI

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WELD) AND GASES SUCH AS OZONE, CARBON MONOXIDE, CARBON DIOXIDE,
NITROGEN OXIDES...

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

Waste Disposal Methods:DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. PREVENT WASTE FROM CONTAMINATING ENVIRONMENT.

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