

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

===== 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

Co

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

===== 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 N

ame: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 =====

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 SHOCK
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 IM
PAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

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, WAS
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WITH SOAP & WATER.

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===== Fire Fighting Measures =====

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 FLAMMABLES.

===== 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
INCOMPATIBL

ES. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:AVOID INHALATION AND EXCESSIVE SKIN CONTACT. AVOID
BREATHING OF FUMES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY
AFTER HANDLING AND BEFORE EATING AND DRINKING. REMOVE CONTAMINATED
CLOTHING. LAUND ER BEFORE REUSE.

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

Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY
PROTECTION OR RESPIRABLE FUME RESPIRATOR WHEN WELDING, BRAZING OR
SOLDER

ING IN CONFINED SPACE OR WHERE LOCAL EXHAUST VENTILATION DOES
NOT KEEP EXPOSURE BELO W 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 PRAC
TICES 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

Haz

ardous Decomposition Products:WELDING FUMES (OXIDES OF METAL BEING 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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