

NORTHHAMPTON MANUFACTURING CORPORATION -- QQ-W-390C, WIRE, NI-CR-FE ALLOY --  
9525-00-529-9195

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

Product ID:QQ-W-390C, WIRE, NI-CR-FE ALLOY

MSDS Date:10/01/1985

FSC:9525

NIIN:00-529-9195

MSDS Number: BHQDS

=== Responsible Party ===

Company Name:NORTHHAMPTON MANUFACTURING CORPORATION

Address:122 FEDERAL STREET

Box:477

City:NORTHHAMPTON

State:MA

ZIP:01060-2702

Country:US

Info Phone Num:413-584-3964

Emergency Phone Num:413-584-3964

CAGE:25059

=== Contractor Identification ===

Company Name:NORTHHAMPTON MANUFACTURING CORPORATION

Address:122 FEDERAL STREET

Box:City:NORTHHAMPTON

State:MA

ZIP:01060-2702

Country:US

Phone:413-584-3964

CAGE:25059

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

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: 0.4-49%

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 0-25%

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

EPA Rpt Qty:1

LB  
DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 30-99%  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192

Ingred Name:MANGANESE (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 0.35-2%  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: .25-34%  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2MG/M3 FUME; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:SIL  
ICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: .35-1%  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by Wt: 0-1.7%  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:NO TOXIC EFFECTS EXPE

CTED UNDER NORMAL

USAGE. PROLONGED, REPEATED EXPOSURE TO FUMES: ACUTE: METALLIC TASTE, NAUSEA, TIGHTNESS OF CHEST, FEVER, IRRITATION OF EYES, NOSE, THROAT AND SKIN, LOSS OF CONSCIOUSNESS/DEATH. CHRONIC: SKIN SENSITIZATION, NEUROLOGICAL DAMAGE, AND RESPIRATORY DISEASE.

Explanation of Carcinogenicity:CHROMIUM AND NICKEL ARE LISTED BY IARC, NTP AS CARCINOGENS.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS

OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE.

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

Flash Point:NONFLAMMABLE

Unusual Fire/Explosion Hazard:PRODUCTS ARE NONFLAMMABLE; HOWEVER WELDING ARCS AND SPARKS CAN IGNITE FLAMMABLE LIQUIDS AND VAPORS AND COMBUSTABLE SOLIDS.

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

Spill Release Procedures:VACUUM OR SWEEP RESIDUE FROM CUTTING, GRINDING, OR WELDING OPERATIONS INTO SUITABLE CONTAINER. Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:AVOID PROLONGED OR REPEATED BREATHING OF FUMES. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUS

T/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29  
CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR  
SELECTION.

Ventilation:USE LOCAL EXHAUST WHEN CUTTING, GRINDING, OR WELDING.  
MAINTAIN EXPOSURES BELOW PEL/TLV.

Protective Gloves:BURN PROTECTIVE

Eye Protection:WELDING SHIELD

Other Protective Equipment:FLAME RETARDANT CLOTHING.

Work Hygienic Practices:EYE PROTECTION AND PROTECTIVE CLOTHING IS  
REQUIRED WHEN CUTTING, GRINDING, OR WELDING. DO NOT EXPOSE SKIN.

Supplemental Safety  
and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO  
NOT BREATHE FUMES.

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

HCC:N1

Appearance and Odor:SOLID METALS SHAPED AS BAR, ROD, OR WIRE.

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:FUMES MAY CONTAIN OXIDES OF CHROMATES,  
FLUORIDES, AND COMPLEX METALLICS, CARBON MONOXIDE, OZONE, AND

NITROGEN OXIDES.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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