

TICONIUM CO DIVISION OF CMP INDUSTRIES INC -- PREMIUM TICONIUM WIRE (61623) --  
6520-01-242-9470

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

Product ID:PREMIUM TICONIUM WIRE (61623)  
MSDS Date:11/01/1992  
FSC:6520  
NIIN:01-242-9470  
MSDS Number: BSRFJ  
=== Responsible Party ===  
Company Name:TICONIUM CO DIVISION OF CMP INDUSTRIES INC  
Address:413 N PEARL ST  
City:ALBANY  
State:NY  
ZIP:12207-1311  
Country:US  
Info Phone Num:518-434-3147/800-424-9300(CHEMTREC)  
Emergency Phone Num:518-434-3147  
CAGE:65024

=== Contractor Identification ===

Company Name:TICONIUM CO DIVISION OF CMP INDUSTRIES INC  
Address:413 N PEARL ST  
Box:City:ALBANY  
State:NY  
ZIP:12207-1311  
Country:US  
Phone:518-434-3147  
CAGE:65024

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

Ingred Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 10% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1

MG/M3; 9394

Ingred Name:COBALT (SARA III)  
CAS:7440-48-4  
RTECS #:GF8750000  
Fraction by Wt: 51% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.05 MG/M3  
ACGIH TLV:0.05 MG/M3;DUST 9394

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 20% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9394  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:TUNGSTEN  
CAS:7440-33-7  
RTECS #:YO7175000  
Fraction by Wt: 15% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL  
:5 MG/M3/10 STEL  
ACGIH TLV:5 MG/M3/10 STEL;8990

Ingred Name:MANGANESE (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 1.5% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 5 MG/M3  
ACGIH TLV:5 MG/M3, DUST; 9394

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

LD50 LC50 Mixture:TLV 0.05 MG/M3 (COBALT)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:SKIN CONTACT MAY CAU

SE DERMATITIS OR ALLERGIES. SHORT-TERM OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS NAUSEA, OR DRYNESS OR IRRITATION OF THE NOSE, THROAT OR EYES.

Explanation of Carcinogenicity:CONTAINS NICKEL AND CHROMIUM WHICH ARE LISTED BY NTP AND IARC AND COBALT LISTED AS POSSIBLE BY IARC.

Effects of Overexposure:NAUSEA, IRRITATION OF NOSE/THROAT, EYE IRRITATION, SKIN IRRITATION.

Medical Cond Aggravated by Exposure:AGGRAVATION OF RESPIRATORY ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS. SKIN CONTACT MAY BE THE CAUSE OF DERMATITIS OR ALLERGIES.

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

First Aid:IN THE EVENT OF OVEREXPOSURE, REMOVE THE VICTIM FROM WELDING AREA, ADMINISTER FIRST AID. OBTAIN PROMPT MEDICAL ATTENTION. IF UNCONSCIOUS, ADMINISTER OXYGEN. IF NOT BREATHING, BEGIN RESUSCITATION IMMEDIATELY.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NONFLAMMABLE. USE PROCEDURES SUITABLE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:IN SOLID FORM THIS MATERIAL POSES NO SPECIAL CLEAN-UP PROBLEMS. REMOVE DUST BY VACUUMING OR WET SWEEPING TO AVOID AIR CONTAMINATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:FUME OR AIR SUPPLIED RESPIRATOR WHEN WELDING

Ventilation:LOCAL

Protective Gloves:WELDER'S GLOVES

Eye Protection:WELDER'S HELMET OR FACE SHIELD W/LENS

Other Protective Equipment:

NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT  
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:T7

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:7-9

Evaporation Rate & Reference:NIL

Solubility in Water:INSOLUBLE

Appearance and

Odor:18 GAUGE DIAMETER WIRE (0.044 INCH NOMINAL)

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

MINERAL ACIDS AND STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:VARIOUS ELEMENTAL OXIDES MAY BE  
GENERATED FROM WELDING.

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

Waste Disposal Methods:PREVENT WASTE FR

OM CONTAMINATING SURROUNDING

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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