

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 Pho

ne 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 O

CCUR 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 G

IVEN

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.

Neutra

lizing 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 FROM  
CONTAMINATING SURROUNDING

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL 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 ut

ilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.