

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 Ph  
one 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 PE  
L: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 CA

USE 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 an

d 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 u

tilizing this

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