

TICONIUM CO DIVISION OF CMP INDUSTRIES INC -- PREMIUM 100 DENTURE ALLOY; P/N P10L12 --  
6520-01-156-3085

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

Product ID:PREMIUM 100 DENTURE ALLOY; P/N P10L12  
MSDS Date:05/01/1991  
FSC:6520  
NIIN:01-156-3085  
MSDS Number: BSRCX  
=== 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:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 10-20% %  
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:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 50-80% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9394

Ingred Name:MOLYBDENUM  
CAS:7439-98-7  
RTECS #:QA4680000  
Fraction by Wt: 0-10% %  
Other REC Limits:10 MG/M3

Ingred Name:MANGANESE (SARA III)

/M3, DUST; 9394

Ingred Name:ALUMINUM (SARA III)  
CAS:7429-90-5  
RTECS #:BD0330000  
Fraction by Wt: 0-10% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15MG/M3 DUST/5 FUME  
ACGIH TLV:10MG/M3 DUST; 9394

Ingred Name:BERYLLIUM (SARA III)  
CAS:7440-41-7  
RTECS #:DS1750000  
Fraction by Wt: 0-5% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.002 MG/M3; Z-2  
ACGIH TLV:0.002MG/M3, A2; 9394

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

LD50 LC50 Mixture:TLV .002 MG/M3 (BERYLLIUM)

Route

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:HIGH DUST CONCENTRATIONS MAY CAUSE IRRITATION OF EYES AND THROAT. LONG TERM EXPOSURE COULD CAUSE PULMONARY DISEASE. NICKEL SENSITIVE PERSONS MAY EXPERIENCE DERMATITIS.

Explanation of Carcinogenicity:CONTAINS BERYLLIUM WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN. ALSO CONTAINS NICKEL AND CR.

Effects of Overexposure

Effects: EYE IRRITATION, UPPER RESPIRATORY TRACT IRRITATION, PULMONARY INJURY.

Medical Conditions Aggravated by Exposure:NICKEL SENSITIVE PERSONS MAY EXPERIENCE DERMATITIS .

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, PERFORM CPR. SEEK MEDICAL ASSISTANCE IMMEDIATELY. INGESTION: INDUCE VOMITING. OBTAIN MEDICAL ASSISTANCE. SKIN: WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION

PERSISTS. EYES: FLUSH  
WITH WATER. SEEK MEDICAL ATTENTION.

===== 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 =====

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Spill Release Procedures:IN SOLID FORM THIS MATERIAL POSES NO SPECIAL  
CLEAN UP[ PROBLEMS. REMOVE DUST BY VACUUMING OR WET SWEEPING.  
PROTECTIVE CLOTHING NOT NORMALLY REQUIRED DURING CLEANUP.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:SEGREGATE FROM MINERAL ACIDS AND  
OXIDIZING AGENTS. USE SUGGESTED PERSONAL PROTECTION EQUIPMENT.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER  
CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR  
SELECTION.  
Ventilation:MECHANICAL EXHAUST  
Protective Gloves:LEATHER WORK GLOVES  
Eye Protection:SAFETY GLASSES OR GOGGLES  
Other Protective Equipment:GRINDING EQUIPMENT SHOULD BE PROVIDED WITH  
ADEQUATE EXHAU

ST SYSTEM.

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:NIL

Spec Gravity:8.0

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:5/8" DIAMETER,  
5/8" LONG, NO ODOR

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

MINERAL ACIDS, STRONG OXIDIZING AGENTS

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:VARIOUS ELEMENTAL METALS AND METAL  
FUMES AND METAL OXIDES MAY BE GENERATED FROM MELTING.

===== 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.

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