

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

Co

untry: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 PE

L: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)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 0-10% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 5 MG/M3  
ACGIH TLV:5 MG/M  
3, 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)  
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: EYE IRRITATION, UPPER RESPIRATORY TRACT IRRITATION, PULMONARY INJURY.  
Medical Condition 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 =====

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

ER.

===== 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 EXHAUST 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.

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 utilizing this

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