

SAFETY DATA SHEETS

This SDS packet was issued with item:

077595093

N/A

SECTION 1: IDENTIFICATION OF PRODUCT

FORMULA: NON-PRECIOUS CERAMIC ALLOY.

SYNONYM OR CROSS REFERENCE: TECH STAR ALLOY INGOTS



AMERICAN DENTAL SUPPLY, INC.

1075 N. Gilmore Street
Allentown, PA 18109-3210
www.americandentalsupply.net
(800) 558-5925**MATERIAL
SAFETY
DATA****NFPA RATINGS**HEALTH HAZARD: 1
FIRE & EXPLOSION: 0
REACTIVITY: 0
PROTECTION: B**SECTION 2: HAZARDOUS INGREDIENTS**

MATERIAL: CONTAINS NICKEL 74-78%, CHROMIUM 12-14%, COBALT 0.15-0.5%, BERYLLIUM (1.8% MAX.), MOLYBDENUM 5-9%, ALUMINUM 2-3%, TITANIUM 0.15-0.5%.

NATURE OF HAZARD: FUMES AND DUST ARE SUSPECTED CAUSES OF PROGRESSIVE LUNG DISEASE AND ARE POSSIBLE CARCINOGENS.

SECTION 3: PHYSICAL DATA

MELTING POINT: F°: 2250 -2350

BOILING POINT: F°: N/A

VAPOR PRESSURE: (mm Hg): NEGLIGIBLE

SPECIFIC GRAVITY: (H₂O=1): 7.8

VAPOR DENSITY: (AIR =1): N/A

WATER SOLUBILITY: INSOLUBLE.

PH OF SOLUTION: N/A

PERCENT VOLATILE: 0%

EVAPORATION RATE: (BuAc =1): N/A

APPEARANCE: SHINY, SILVER COLORED, ODORLESS INGOTS.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): N/A

FLAMMABLE LIMITS: FLAMMABLE LEVEL IS NOT EXPECTED TO BE ATTAINED IN NORMAL LAB HANDLING OF THIS MATERIAL.

FIRE EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CO₂ MAY BE USED ON ADJACENT BURNING MATERIALS.

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LABORATORY QUANTITIES.

UNUSUAL FIRE AND EXPLOSION HAZARD: .NONE FOR LABORATORY QUANTITIES.

SECTION 5: HEALTH HAZARD

THRESHOLD LIMIT VALUE: 8 HOUR TLV: 1 - 5 PPM (FUMES ONLY)

HEALTH HAZARDS: Effects of overexposure to product.

Skin: EXCESSIVE CONTACT MAY CAUSE ALLERGIC SENSITIVITY..

Eyes: DUST IN EYES WILL BE IRRITATING.

Inhalation: INHALED DUST AND FUMES MAY CAUSE PROGRESSIVE LUNG DISEASE AND ARE POSSIBLE CARCINOGENS.

Ingestion: LOW TOXICITY IS EXPECTED.

FIRST AID PROCEDURES:

Skin: WASH WELL WITH SOAP AND WATER.

Eyes: IF AFFECTED, RINSE WELL WITH WATER. IF IRRITATION PERSISTS CONTACT A PHYSICIAN.

Inhalation: AVOID INHALATION OF FUMES AND DUST. IF AFFECTED, REMOVE TO FRESH AIR. IF IRRITATION PERSISTS CONTACT A PHYSICIAN.

Ingestion: NOT LIKELY IN LAB USE. NO SPECIFIC ANTIDOTE NEEDED.

CARCINOGENICITY: DUST AND FUMES ARE POSSIBLE CACINOGENS ON PROLONGED OR REPEATED INHALATION.

SECTION 6: REACTIVITY DATA

STABILITY: STABLE.

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG MINERAL ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 7: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SWEEP UP AND DISPOSE OF IN A CLOSED CONTAINER. NO SPECIAL PRECAUTIONS FOR SOLID INGOTS.

WASTE DISPOSAL METHOD:

DISPOSE OF CLOSED WASTE CONTAINER IN REGULAR TRASH.

SECTION 8: PROTECTION INFORMATION

VENTILATION: MECHANICAL (GENERAL) IS ACCEPTABLE. LOCAL EXHAUST NEEDED IF NECESSARY TO CONTROL FUMES.

SKIN: COTTON OR NITRILE GLOVES ONLY IF IRRITATION IS A PROBLEM.

EYES: SAFETY GLASSES OR GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NOT NORMALLY REQUIRED.

OTHER PROTECTIVE EQUIPMENT: EYE WASH STATION.

SECTION 9: HANDLING AND STORAGE (lab quantities)

KEEP CONTAINERS WELL CLOSED. STORE IN COOL, DRY, WELL VENTILATED AREA. FOR LABORATORY OR OFFICE USE ONLY. KEEP OUT OF REACH OF CHILDREN. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

SECTION 10: MISCELLANEOUS INFORMATION

EMERGENCY RESPONSE: INFOTRAC: 1-800-535-5053

MELTING, CASTING AND FABRICATING WITH THIS ITEM SHOULD BE DONE ONLY IN THE PRESENCE OF ADEQUATE VENTILATION. BERYLLIUM DUST IS TOXIC AND SHOULD NOT BE INHALED. INDIVIDUALS WITH KNOWN NICKEL SENSITIVITY SHOULD NOT HANDLE THIS MATERIAL WITH UNGLOVED HANDS.

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Information Furnished By: L. D. Hochhauser
Product Development Mgr.

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