

SAFETY DATA SHEETS

This SDS packet was issued with item:

077595093

N/A



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT

PRODUCT NAME: **TECH STAR ALLOY INGOTS**

APPLICATION: NON-PRECIOUS CERAMIC ALLOY.

EMERGENCY CONTACT: **INFOTRAC: 1-352-323-3500, TOLL-FREE 1-800-535-5053**

SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)

FUMES AND DUST ARE SUSPECTED CAUSES OF PROGRESSIVE LUNG DISEASE AND ARE POSSIBLE CARCINOGENS. AIRBORNE BERYLLIUM PEL HAS BEEN RECENTLY LOWERED TO 0.2 MG/CUM.

SECTION 2A: PHYSICAL HAZARDS

N/A

SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: BE PEL HAS BEEN LOWERED TO 0.2 MG/CUM. (VAPORS AND DUSTS)

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.

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

SECTION 3: COMPOSITION / INGREDIENTS

MIXTURE: ☒ Yes ☐ No

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%.

SECTION 4: FIRST AID MEASURES

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.

SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: 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 6: ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: N/A

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

SECTION 7: 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 8: EXPOSURE CONTROLS (PERSONAL PROTECTION)

VENTILATION: EFFECTIVE LOCAL EXHAUST IS RECOMMENDED TO CONTROL FUMES AND DUST FROM CASTING,

GRINDING AND FINISHING OPERATIONS.

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. CHEMICAL RESPIRATOR MAY BE REQUIRED IF FUMES AND DUSTS CAN NOT BE ADEQUATELY TRAPPED OR EXHAUSTED.

OTHER: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: SHINY, SILVER COLORED, ODORLESS INGOTS.

PH OF SOLUTION: N/A

MELTING POINT: F°: 2250 -2350

BOILING POINT: F°: N/A

SPECIFIC GRAVITY: (H₂O=1): 7.8

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

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

PERCENT VOLATILE: 0%

VAPOR PRESSURE: (mm Hg): NEGLIGIBLE

WATER SOLUBILITY: INSOLUBLE.

SECTION 10: REACTIVITY DATA

STABILITY: STABLE.

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG MINERAL ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

REACTIVITY WITH WATER: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

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.

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

SENSITIZER: EXCESSIVE CONTACT MAY CAUSE ALLERGIC SENSITIVITY..

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

TERATOGENICITY: N/A

EMBRYOTOXICITY: N/A

MUTAGENICITY: N/A

PRE-EXISTING CONDITIONS: N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXITY: LAB QUANTITIES ARE NOT EXPECTED TO BE SIGNIFICANT.

DEGRADABILITY: NOT EXPECTED TO BE BIODEGRADABLE

BIOACCUMULATION: NOT EXPECTED TO BIO-ACCUMULATE.

MOBILITY IN SOIL: EXPECTED TO BE LOW.

SECTION 13: DISPOSAL INFORMATION

DISPOSE OF CLOSED WASTE CONTAINER IN REGULAR TRASH.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: N/A

SHIPPING NAME: N/A

CLASS: N/A
PACKING GROUP: N/A
MARINE POLLUTANT: N/A
WARNING SYMBOL: N/A
OTHER: THE MATERIAL, IN LAB QUANTITIES, IS NOT REGULATED AS A HAZARD IN TRANSPORTATION BY THE US DOT.

SECTION 15: REGULATORY INFORMATION

LABELING: N/A
NFPA RATINGS: HEALTH HAZARD: 1 FIRE & EXPLOSION: 0 REACTIVITY: 0 SPECIAL PROTECTION: B
NATIONAL REGULATIONS:
TSCA: ALL COMPONENTS ARE ON THE TSCA INVENTORY LIST.

SARA: EXTREMELY HAZARDOUS SUBSTANCES: NONE LISTED.

SARA SECTION 313: N/A
INAPPLICABLE: NO COMPONENTS ARE SUBJECT TO TSCA SNUR LISTING.

FOREIGN REGULATIONS:
ALL COMPONENTS ARE ON THE EU EINECS INVENTORY LIST AND THE CANADIAN DSL.

SECTION 16: OTHER INFORMATION

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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