SAFETY DATA SHEET

Product Name: **Gold – Core Material** Page 1of 4 Catalog Number: 110796 - UHV Solder

SDS Update: 05/30/2023



Distributed By:

Accu-Glass Products, Inc. 25047 Anza Drive Valencia, CA. 91355 (818) 365-4215

HAZARDOUS COMPONENTS

CAS Number Percent Exposure Limits Gold 7440-57-5 85 Proprietary Alloy 15

Chemical Family: Metal Chemical Name: Alloy



PHYSICAL AND CHEMICAL DATA

Physical State: Solid Metal Odor: None

Golden / Silver Color

Melt Point 280°C Insoluble Solubility in Water: Specific Gravity Varies

Volatile by weight Essentially zero



FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-flammable as a solid

Extinguishing Media: This material is non-combustible. Use appropriate extinguishing agent

for surrounding fires. Do not use water to extinguish fires around operations involving molten metal, due to the potential for steam

explosion.

Special Fire Fighting Procedures: Self-contained breathing apparatus should be worn when fighting metal dust fires. High levels of dust or fine particles in the air may

ignite or explode.



The alloys as sold in solid form are generally not considered Emergency Overview:

> hazardous. However, if the process involves grinding, melting, cutting or any other process that causes a release of dust or fumes, hazardous

levels of airborne particulates could be generated.

Primary Routes of Entry

Inhalation, Skin contact

Target Organs Human Effects & Skin

Symptons of Overexposure

Listed below are certain potential health hazards, which apply to the

hazardous ingredients, found in the subject alloy(s).

Gold – Generally Non-Toxic

Skin May cause contact dermatitis

Inhalation Dust could be irritating to respiratory tract

Generally non-toxic Ingestion

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HEALTH HAZARD DATA - Continued

Medical Conditions Aggravated by Exposure: Individuals who may have had allergic reactions to metals

or sensitivity, may encounter skin rash or dermatitis, if skin contact with the product occurs. Persons with impaired pulmonary functions

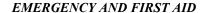
may incur further impairment if dust or fumes are inhaled.

Carcinogenic References: Components are not listed in the Annual Report on Carcinogens as

prepared by the National Toxicology Program, as well as the

International Agency for Research on Cancer Monograph Series, or by

OSHA



First Aid for Eyes: Dust or powder should be flushed from the eyes with running water for

15 minutes. If irritation persists, obtain medical assistance.

First Aid for Skin: Skin cuts and abrasions can be treated by standard first aid. Skin

contamination with dust or powder can be removed with soap and

water. If irritation persists, obtain medical assistance.

First Aid for Ingestion: Obtain medical assistance at once.

First Aid for Inhalation: Breathing difficulty, caused by inhalation of dust or fume requires

removal to fresh air. If breathing has stopped, perform artificial

respiration and seek medical assistance at once.

REACTIVITY DATA

Stability: This is a stable material.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Conditions which create dust or fumes

Incompatibility: Acetylene, Ammonia, Acids and Strong Oxidizers

Hazardous Decomposition Products: None under proper usage conditions

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill or Leak Procedures: In solid form this material poses no special clean-up problems. Use

normal clean up procedures; wet sweeping of HEPA vacuum, for clean

up of dust or powder. Do not use compressed air for cleaning.

Disposal: Because of its high intrinsic value this material should be reclaimed.

Dispose of in accordance with all applicable Federal, State and Local

Regulations.

Storage: In solid form this material poses no special problems. Store metal in a

dry area. Do not store adjacent to acids.

EXPOSURE CONTROL / PERSONAL PROTECTION

Eye protection requirements: Safety glasses are recommended

Skin protection requirements: Protective gloves are recommended, to prevent mechanical irritation

Respiratory protection: Not normally required. Use an appropriate NIOSH approved

respirator if airborne dust concentration exceed the OSHA, PEL, or

ACGIH, TLV

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EXPOSURE CONTROL / PERSONAL PROTECTION - Continued

Other protective equipment: Eye wash fountain should be readily available in areas of use or

handling.

Exposure limits: Not established for product as whole.

Ventilation Requirements:

Local Exhaust: Recommended, when cutting, grinding or melting, or any other

operation where dust or fumes are created.

General: Recommended

Environmental Surveillance: If the operation generates dust or fumes, exposure to airborne

materials should be determined by having air samples taken in the

employees breathing zone and work area.



TOXICOLOGICAL INFORMATION

There is no information on the toxicity of this alloy. Under normal use of the solid form of this material there are a few health hazards. Welding, cutting grinding or any process creating dust, fume or oxide may cause hazardous levels of certain elements.

ECOLOGICAL INFORMATION

In solid form this material poses no special environmental problems. Metal powder or dust may have significant impact on air and water quality. Emissions, spills and releases to the environment should be controlled immediately.

TRANSPORT INFORMATION

Proper Shipping Name: Not regulated Technical Shipping Name: Metal Alloy DOT Hazard Class: None Un/NA ID: None Product RQ: None

REGULATOR INFORMATION

OSHA Status: No specific regulations; The Hazard Communication Standard of the

Occupational Safety and Health Administration, 29 CFR 1910.1200, considers

components of this product a Hazardous Substance.

TSCA Status: These products are a mixture. Components of these products are listed on the

TSCA Chemical Substance Inventory of Existing Chemical Substances.

RCRA Status: Not regulated.

SARA Title III: The constituents of the alloy contain hazardous substances, above one (1)

percent, and are subject to the reporting requirements under SARA Title III

Section 313.

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REGULATOR INFORMATION - Continued

International Regulations:

Canada – WHMIS Disclosure List: Material does not fall into any Subdivision, Division, as defined by any Section of Canada Gazette Part II. Vol. 122, No. 2 SOR/DORS/88-66

OTHER INFORMATION:

Disclaimer of Liability:

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