

MATERIAL SAFETY DATA SHEET

SECTION1. MATERIAL IDENTIFICATION

PRODUCT NAME :Au WIRE
CHEMICAL NAME :GOLD
PRODUCT USE :BONDING WIRE
SUPPLIER NAME :SUMITOMO METAL MINING Co.,Ltd
ADDRESS :1-6-1 SUEHIRO-CHO OME-SHI TOKYO JAPAN
ZIP CODE :198-8601
TEL.No :81-428-31-1924
FAX.No :81-428-32-3429

SECTION2. COMPOSITION INFORMATION ON INGREDIENTS

GOLD BALANCE 99.99%

SECTION3. PHYSICAL AND CHEMICAL PROPERTIES (G O L D)

PHYSICAL FORM: SOLID
SPECIFIC GRAVITY: 19.3
APPEARANCE AND ODER: GOLD
MELTING POINT: 1064°C
BOILING POINT: 2800°C
SOLUBILITY IN WATER: INSOLUBLE.
VOLATILITY: NOT VOLATILE.
VOLATILE ORGANIC COMPOUND: NOT AVAILABLE.

SECTION4. STABILITY AND REACTIVITY (G O L D)

STABILITY: GENERALLY STABLE.(IT IS DISSOLVED AQUA REGIA ,
POTASSIUM CYANIDE AND ORGANIC HALOGENO SOLVENT.)
MAKE THE AMARUGAMU WITH MERCURY
STABLE IN THE AIR OR OXYGENATE ATMOSPHERE

SECTION5. FIRE- HAZARD (G O L D)

FLASH POINT: NOT AVAILABLE.
IGNITION POINT: NOT AVAILABLE.
EXTINGUISHING MEDIA: NOT AVAILABLE.
SPECIAL FIRE FIGHTING PROCEDURES: NOT AVAILABLE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NOT AVAILABLE.

UPPER EXPLOSION LIMIT(%): NOT AVAILABLE.

LOWER EXPLOSION LIMIT(%): NOT AVAILABLE.

SECTION6. HEALTH HAZARD (G O L D)

SKIN CORRODIBLE:NONE

IRRITATION(EYE,SKIN):NONE

ACUTE TOXICITY:NONE

CHRONIC TOXICITY:NONE

CARCINOGENICITY:NOT AVAILABLE

MUTAGENICITY(MICROBE,CHROMOSOMIC DAMAGE):NOT AVAILABLE

REPRODUCTION TOXICITY:NOT AVAILABLE

TERATOGENICITY:NOT AVAILABLE

INTERNAL ORGANO TOXICITY:

METAL GOLD(PURE GOLD) IS PHYSIOLOGICAL SAFETY .

OTHER

:AMONG THE SOLIVILITY SALINE,THERE ARE MANY STRONG TOXIC0ID. AND THEY ARE ACCUMULATED IN KIDNEY, LIVER OR SPLEEN FOR LONG TIME BY INJECTION. IF THEY ARE GIVEN IN LARGE QUANTITIES, THEY OPERATE AS CAPILLARY VESSEL TOXIN, AND LEAD TO DEATH.

(OBSERVATION ABOUT MOUSE)

GOLD(METAL):BY TRANSPLANT OF 17mmφ DISK, ULCER IS ORIGINATED.

SECTION7. FIRST-AID PROCEDURE (G O L D)

ROUTES OF ENTRY

EYE: NOT AVAILABLE.

SKIN CONTACT: NOT AVAILABLE.

INHALATION: NOT AVAILABLE.

INGESTION: IF HE TAKES A LITTLE, THEN TREATMENT IS UNNECESSARY.

SECTION8. ECOLOGICAL INFORMATION (G O L D)

NOT AVAILABLE.

SECTION9. DISPOSAL CONSIDERATION (G O L D)

COULD BE RECYCLED.

SECTION10. ACCIDENTAL RELEASE MEASURES (G O L D)

NOT AVAILABLE.

SECTION11. EXPOSURE CONTROLS/PERSONAL PROTECTION (G O L D)

EXPOSURE LIMIT: NOT AVAILABLE.

VENTILATION REQUIREMENTS: NOT AVAILABLE.

EYE PROTECTION REQUIREMENTS: NOT AVAILABLE.

GLOVE REQUIREMENTS: NOT AVAILABLE.

SECTION12. HANDLING AND STORAGE (G O L D)

STORAGE TEMPERTURE: 20±15°C

STORAGE HUMIDITY : 20 ~ 80%

VENTILATION REQUIREMENTS: NOT AVAILABLE.

EACH PRODUCTS SHOULD BE KEPT IN THE SPOOL CASE AND THE CARTON BOX.

THEY SHOULD BE PUT ON RACKS TO BE STABLE.

SECTION13. TRANSPOTATION INFORMATION (G O L D)

IT SHOULD NOT GIVE SHOCK AND VIBRATION EXCESSIVELY.

AND TRANSPORTATION SHOULD BE IN ACCORDANCE WITH STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION14. REGULATORY INFORMATION (G O L D)

NOT AVAILABLE.

SECTION15. OTHER INFORMATION (G O L D)

PAY ATTENTION TO ROBBERY.