SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product name: Argenco Au2

1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses of the substance or mixture
Manufacturing of a fixed or removable dental prosthesis in a dental laboratory

1.3. Details of the supplier of the safety data sheet
Supplier:
Company name: The Argen Corporation
Full address: 5855 Oberlin Drive, San Diego, CA 92121-4718. USA
Telephone number: 1-800-255-5095 Customer Care: 1-800-255-5095
Fax: 1-858-626-8686
E-mail address of competent person responsible for the SDS: info@argen.com

Manufacturer:
Company name: The Argen Corporation
Full address: 5855 Oberlin Drive, San Diego, CA 92121-4718. USA
Telephone number: Technical Service: 1-800-255-5095 Customer Care: 1-800-255-5095
Fax: 1-858-626-8686
E-mail address of competent person responsible for the SDS: info@argen.com

1.4. Emergency telephone number
Emergency telephone number: Chemtrec: 1-703-741-6090 (collect calls accepted – German and English)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification information
This product does not meet the classification criteria in (EC) N° 1272/2008 (CLP)
This product does not meet the labeling criteria stated in 67/548/EWG and 1999/45/EC

2.2. Label elements
Labeling is in accordance with (EC) No 1272/2008 (CLP Regulation)
Labelling Information
In the solid form which the product is marketed

2.3. Other hazards
EYES: Contact with eyes may cause severe irritation and possible eye burns.
SKIN: May cause severe irritation and possible burns.
INGESTION: May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.
INHALATION: May cause irritation and burns to the respiratory tract.
NOTE: Exposure levels for elements in this alloy are listed in SECTION 3. The following health data is for specific elements:

SILVER Absorption of silver compounds by ingestion, inhalation or through broken skin can cause argyria, a permanent bluish-grey discoloration of the skin, conjunctiva and mucous membranes. Generalized argyria develops after 2 to 25 years of exposure. There are no systematic effects or symptoms and no physical disability. Silver is considered an experimental equivocal tumorigenic agent by RTECS criteria.
INDIUM

May cause fetal effects based upon animal studies. May cause lung damage and blood abnormalities. Target Organs: Blood, kidneys, liver, lungs.

PBT assessment
No data available

vPvB assessment
No data available

SECTION 3: Composition/information on ingredients

3.1. Substances
This product is not a substance – This is not applicable

3.2. Mixtures
Ingredients:

<table>
<thead>
<tr>
<th>METAL</th>
<th>%</th>
<th>SYMBOL</th>
<th>CAS NO</th>
<th>EC/EG NO</th>
<th>ACGIH 8 HR TLV</th>
<th>OSHA 8 HR PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOLD</td>
<td>2</td>
<td>Au</td>
<td>7440-57-5</td>
<td>231-165-9</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>PALLADIUM</td>
<td>32.7</td>
<td>Pd</td>
<td>7440-05-3</td>
<td>231-115-6</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>SILVER</td>
<td>34.5</td>
<td>Ag</td>
<td>7440-22-4</td>
<td>231-131-3</td>
<td>0.1 mg/m3</td>
<td>0.1 mg/m3</td>
</tr>
<tr>
<td>IRIDIUM</td>
<td>&lt;1</td>
<td>Ir</td>
<td>7439-88-5</td>
<td>231-095-9</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td>INDIUM</td>
<td>28</td>
<td>In</td>
<td>7440-74-6</td>
<td>231-180-0</td>
<td>0.1 mg/m3</td>
<td>0.1 mg/m3 TWA</td>
</tr>
<tr>
<td>ZINC</td>
<td>2.6</td>
<td>Zn</td>
<td>7440-66-6</td>
<td>231-175-3</td>
<td>5mg/m3</td>
<td>No data</td>
</tr>
</tbody>
</table>

Note: % values are in weight percent and reflect nominal composition.

SECTION 4: First aid measures

4.1. Description of first aid measures

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids.

SKIN CONTACT: Scrub skin thoroughly with soap and water. If victim is conscious and alert, give 2-4 cupfuls of milk or water.

INGESTION: Induce vomiting. **Never give anything by mouth to an unconscious person. Get medical aid.

INHALATION: Remove affected person to fresh air and assist with additional oxygen if necessary. Get first aid if other symptoms appear.

4.2. Most important symptoms and effects, both acute and delayed
No data available

4.3. Indication of any immediate medical attention and special treatment needed
No data available
SECTION 5: Fire-fighting measures

5.1. Extinguishing media
Metal fire powders, sand

5.2. Special hazards arising from the substance or mixture
Heating beyond the melting range may generate fumes which are not flammable.

5.3. Advice for fire-fighters
Wear protective clothing and use a self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Use proper personal protective equipment as described in section 8.
For emergency responders
Use proper personal protective equipment as described in section 8.

6.2. Environmental precautions
Collect contaminated materials in separate containers. Discharge according to local regulations.

6.3. Methods and material for containment and cleaning up
Avoid creating dust and pick-up using mechanical means

6.4. Reference to other sections
No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Ensure the workspace has proper ventilation
Do not consume substances during work.
General protective and hygiene measures
Wash hands before and after breaks. Remove contaminated clothing immediately. Do not ingest, or allow to come into contact with the eyes.

7.2. Conditions for safe storage, including any incompatibilities
Keep container closed in a ventilated area

7.3. Specific end use(s)
No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limit values

8.2. Exposure controls
RESPIRATORY: Provide general ventilation and local exhaust to keep levels below the TLV stated in SECTION 3. Wear a NIOSH approved respirator for dust exceeding the TLVs.
HAND: Latex gloves are recommended while grinding, heat resistant gloves should be worn while casting and handling hot metals or molds.
EYE PROTECTION: Wear eye protection suitable to each individual operation.
OTHER: Wear apron, lab coat or other protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Appearance: YELLOW
Odor: Not Applicable
pH: Not Applicable
Boiling Point: Not Applicable
Melting Range: 880-1145°C
Flash Point: Not Applicable
Flammability: Not Applicable
Autoflammability: Not Applicable
Explosive Properties: Not Applicable
Oxidizing Properties: Not Applicable
Vapor Pressure: Not Applicable
Solubility (Water/Fat): Insoluble

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
At ordinary and high (below the melting range) temperatures, the material oxidizes but is stable. At very high temperatures the alloy produces fumes.

10.2. Chemical stability
Product is stable under normal storage and handling conditions. See Section 7.

10.3. Possibility of hazardous reactions
Hydrogen gas can possibly form if the product comes into contact with acid.

10.4. Conditions to avoid
N/A if the product is handled according to the Instructions for Use

10.5. Incompatible materials
Acid

10.6. Hazardous decomposition products
None are known

SECTION 11: Toxicological information

11.1. Information on toxicological effects
No data is available other than the information provided in Sections 2 & 3

SECTION 12: Ecological information

12.1. Toxicity
No data available

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
No data available

12.6. Other adverse effects
No data available

4 of 5
SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product
Always recover all waste material and send to Department A at The Argen Corporation for refining.

Packaging
Empty container completely and dispose according to local regulations.

SECTION 14: Transport information

14.1. Transport ADR/RID/AND
This product is not subject to ADR/RID/AND regulations

14.2. Transport IMDG
This product is not subject to IMDG regulations

14.3. Transport ICAO-TI / IATA
This product is not subject to ICAO-Ti / IATA regulations

14.4. Other information
No data available

14.5. Environmental hazards
No data is available other than the information provided in Sections 2 & 3

14.6. Special precautions for user
None

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Germany:
Wassergefährdungsklasse WGK (VwVwS): WGK-1 (self-assessed)

15.2. Chemical Safety Assessment
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

16.1 Training advice
In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.

16.2 Disclaimer
The information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof. However, THE ARGEN CORPORATION makes no representations as to the completeness of accuracy thereof and information is supplied upon the condition that the persons receiving the above material will make their own determination as to its suitability for their purposes prior to use. In no event will "THE ARGEN CORPORATION" be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers.