MATERIAL SAFETY DATA SHEET

DPI ALLOY NON GAMMA 2

1. Ingredients:
Silver
Copper
Tin

2. Physical Characteristics:
Appearance: Silver colored powder
Specific Gravity: 9gm/cc
Melting Point: 1500º C

3. Fire Hazard:
Silver powder alloy can be a combustible solid.
Toxic fumes may be produced in a fire.
Use dry chemicals appropriate for extinguishing metal fires.
Do not use water.

4. Health Hazard Data:
Routes of entry: Inhalation
Limit for 8-hour exposure is 0.01 mg/m3
Skin - If skin contacts silver dust or small particles enter small cuts, tattooing may occur. Wash thoroughly to prevent staining.
Eye - Flush immediately with a large quantity of water. Seek medical attention.

5. Handling and Storage:

- Prior to working with alloy you should be trained on its proper handling and storage.
- This silver alloy must be stored to avoid contact with acetylene, ammonia, hydrogen peroxide, or ethyleneimene since a violent reaction will occur.

6. Precautions for Safe Handling:
• Prior to working with Mercury, you should be trained in its proper handling and storage.
• Avoid contact with skin.
• Spill should be cleaned up immediately. Kits specific for cleanup of Mercury are available.
• It is necessary to dispose of Mercury as hazardous waste.

7. First Aid Measures

Eye
Flush affected areas with water for at least fifteen minutes. Seek medical assistance if necessary.

Skin
Remove contaminated clothing. Wash affected area with large quantities of water for at least five minutes. Seek medical attention if necessary. Launder or dry-clean clothing before reuse.

8. Fire Fighting Measures

Flash Point: Not Applicable (N/Appl.)
Autoignition Point: N/Appl. Flammability Class: N/Appl.
Lower Explosive Limit: N/Appl.
Upper Explosive Limit: N/Appl.

9. Accidental Release Measures

If a finely-divided form of product is spilled, clean up spillage so as to minimize dispersion of dust. Wet sweeping or vacuuming using HEPA filtration are recommended.

10. Exposure Controls/Personal Protection

Engineering Controls
Use appropriate ventilation (e.g., dilution, local exhaust) adequate to maintain concentrations of all components to within their applicable standards.

Skin Protection
Wear appropriate protective gloves and clothing to prevent skin injury if these products are used with a flame and/or for prolonged or repeated contact with finely-divided forms of product. Avoid flammable fabrics.

Other physical properties (odor threshold, evaporation rate, vapor pressure, vapor density, evaporation rate, boiling point, freezing point, pH, oil-water distribution coefficient, percent volatiles, percent VOCs) are not applicable to these products.

11. Stability And Reactivity

Stability: stable
Hazardous Polymerization: will not occur
Conditions To Avoid (Stability)
Silver and copper can form unstable acetylides if in contact with acetylene gas.

12. Toxicological Information

Product not considered hazardous**.** Toxicity: LD50(rat) oral >5000mg/kg.
These products contain no chemicals classified as potential or demonstrated carcinogens by IARC, NTP, or OSHA

13. Ecological Information

In their intended manner of use, these products should not be released into the environment, and adverse effects on ecosystems are not anticipated under recommended conditions of use, storage, and disposal.

14. Disposal Considerations

Dispose of unused or unusable product in accordance with applicable Federal, State/Provincial, and local regulations.

15. Transport Information

These products are not Hazardous Substances or Dangerous Goods per USDOT, TDG (Canada), IATA, or IMO regulations.

16. Regulatory Information

TSCA Information
All components of these products are listed on the EPA's TSCA registry.

17.Other information

This Information is given in good faith, being based on the latest knowledge available to Dental Products of India…a division of BBTCL. No known relevant information has been omitted from the product information, risk information and safety precaution sheets. The user should not assume therefore, the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, please contact Dental Products of India…a division of BBTCL. prior to use for further advice

AUTHORISED SIGNATORY