

# Material Safety Data Sheet U.S. Department of Labor

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)  
**Mesosilver -Colloidal silver**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## Section I

|  |   |
|--|---|
| Manufacturer's Name<br><b>Purest Colloids, Inc.</b>                              | Emergency Telephone Number<br><b>(609) 267 – 2112</b>       |
| Address (Number, Street, City, State, and ZIP Code)<br><b>602 Highland Drive</b> | Telephone Number for Information<br><b>(609) 267 – 2112</b> |
| <b>Westampton, NJ 08060</b>  | Date Prepared<br><b>07/14/03</b>                            |
|  | Signature of Preparer (optional)                            |

## Section II - Hazard Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|---|----------|-----------|--------------------------|--------------|
| <b>None</b>   |          |           |                          |              |

## Section III - Physical/Chemical Characteristics

|                         |   |   |             |
|-------------------------|---|---|-------------|
| Boiling Point           | <b>100 °C</b>   | Specific Gravity (H <sub>2</sub> O = 1) | <b>1.00</b> |
| Vapor Pressure (mm Hg.) | <b>23.8 @25 °C</b>  | Melting Point                           | <b>NA</b>   |
| Vapor Density (AIR = 1) | <b>0.023 g/cm<sup>3</sup></b>                                     | Evaporation Rate (Butyl Acetate = 1)    | <b>NA</b>   |
| Solubility in Water     | <b>insoluble</b>  |   |             |
| Appearance and Odor     | Color: <b>Clear liquid, dark brown in color</b> Odor: <b>none</b> |   |             |

### Section IV - Fire and Explosion Hazard Data

|   |                               |                    |                    |
|---|-------------------------------|--------------------|--------------------|
| Flash Point (Method Used)<br><b>NA</b>            | Flammable Limits<br><b>NA</b> | LEL<br><b>None</b> | UEL<br><b>None</b> |
| Extinguishing Media<br><b>None</b>                |                               |                    |                    |
| Special Fire Fighting Procedures<br><b>None</b>   |                               |                    |                    |
| Unusual Fire and Explosion Hazards<br><b>None</b> |                               |                    |                    |

### Section V - Reactivity Data

|  |                |          |  |
|--|----------------|----------|--|
| Stability  | Unstable       |          | Conditions to Avoid  |
|  | Stable         | <b>X</b> | <b>Colloid can be broken by freezing or treatment with strong acids.</b> |
| Incompatibility ( <i>Materials to Avoid</i> )<br><b>None</b> |                |          |  |
| Hazardous Decomposition or Byproducts<br><b>None</b>         |                |          |  |
| Hazardous Polymerization                                     | May Occur      |          | Conditions to Avoid  |
|  | Will Not Occur | <b>X</b> |  |

### Section VI - Health Hazard Data

|  |                            |                                       |  |
|--|----------------------------|---------------------------------------|--|
| Route(s) of Entry:   | Inhalation?<br><b>None</b> | Skin?<br><b>None</b>                  | Ingestion?<br><b>None</b>              |
| Health Hazards ( <i>Acute and Chronic</i> )<br><b>None</b>         |                            |                                       |  |
| Carcinogenicity:<br><b>None</b>                                    | NTP?<br><b>Not listed</b>  | IARC Monographs?<br><b>Not listed</b> | OSHA Regulated?<br><b>Not required</b> |
| Signs and Symptoms of Exposure<br><b>None</b>                      |                            |                                       |  |
| Medical Conditions<br>Generally Aggravated by Exposure <b>None</b> |                            |                                       |  |
| Emergency and First Aid Procedures<br><b>None required</b>         |                            |                                       |  |

## Section VII - Precautions for Safe Handling and Use

|   |
|---|
| Steps to Be Taken in Case Material is Released or Spilled<br><b>None</b>                                  |
| Waste Disposal Method<br><b>None required</b>   |
| Precautions to Be taken in Handling and Storing<br><b>Should be stored at temperatures above freezing</b> |
| Other Precautions<br><b>None</b>  |

## Section VIII - Control Measures

|  |   |                                 |
|--|---|---------------------------------|
| Respiratory Protection ( <i>Specify Type</i> )<br><b>None required</b> |   |                                 |
| Ventilation  | Local Exhaust<br><b>None required</b>                 | Special<br><b>None required</b> |
|  | Mechanical ( <i>General</i> )<br><b>None required</b> | Other<br><b>None required</b>   |
| Protective Gloves<br><b>Not required</b>                               | Eye Protection<br><b>Not required</b>                 |                                 |
| Other Protective Clothing or Equipment<br><b>Not required</b>          |   |                                 |
| Work/Hygienic Practices<br><b>No special practices required</b>        |   |                                 |