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Alloys  
Attachments  
Implants <http://www.sterngold.com>  
Restorative  
Systems

## MATERIAL SAFETY DATA SHEET

**Sterngold Part Number: 811145, 811015, 811340, 811037**

**Sterngold Description: ERA orange nylon males**

**Supplier Number: 5161**

**Supplier Description: Matrix Orange ST801**

**Supplier MSDS Identification: n/a**

**1/24/12**

**Date Updated:**

Section 1: Product and Company Identification



Compounding Solutions, LLC.  
258 Goddard Rd.  
Lewiston, ME 04240  
207-777-1122  
207-777-1566

Product Name: Matrix Orange ST801  
Product Code: 5161  
Chemical Name: Polyhexamethylene Adipamide  
Chemical Family: Polymeric  
Prepared By: R. Johnson

Section 2: Composition/Information on Ingredients

| Ingredient                  | CAS No.    | SARA 313 |
|-----------------------------|------------|----------|
| Polyhexamethylene Adipamide | 32131-17-2 | no       |
| Pigmentments and Additives  | N/A        | no       |
|                             |            |          |
|                             |            |          |
|                             |            |          |

Section 3: Hazards Identification

None known

Section 4: First Aid Measures

Eyes: Fines may cause mechanical irritation  
Skin: No known health hazards  
Ingestion: No known health hazards  
Inhalation: Remove to fresh air. If coughing persists, seek medical attention

Section 5: Fire-Fighting Measures

Extinguishing Media: Water Spray, Foam, Carbon Dioxide, or Dry Chemical  
Special Fire Fighting Procedures: Wear full gear with SCBA. Products of combustion may be toxic  
Fire and Explosion Hazards: Dust fines may explode. Products of combustion may be toxic.  
Hazardous Decomposition Products: Aldehydes and other toxics are likely products of combustion

Section 6: Accidental Release Measures

Sweep up resin spills. Molten polymer may cause severe burns. Allow polymer to cool before disposal.

Section 7: Handling and Storage

No special storage requirements are necessary. Avoid dust accumulations as dust fines may be explosive.

Section 8: Exposure Controls and Personal Protective Equipment

Control: Respiratory Protection In dusty conditions use a NIOSH approved dust mask or respirator  
Control: Ventillation Use local ventilation during hot processing  
Control: Eye Protection Use safety glasses when working with this material  
Control: Other PPE's Wear heat resistant clothing, gloves and footwear when working with hot molten material

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**Section 9: Physical and Chemical Properties**

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|                              |                            |
|------------------------------|----------------------------|
| Physical State / Appearance: | Solid Plastic Pellet       |
| Odor:                        | None to Slightly Parafinic |
| Melting Point                | >200 F                     |
| Specific Gravity             | Close to 1                 |
| Solubility in Water          | not soluble                |
| Molecular Weight             | >10,000                    |

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**Section 10: Stability and Reactivity**

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|                                  |   |
|----------------------------------|---|
| Stability:                       | Chemically Stable Solid                       |
| Conditions to avoid:             | Avoid heating to temperatures exceeding 650 F |
| Incompatibility:                 | Avoid contact with strong oxidizers           |
| Hazardous Decomposition Products | Combustion may produce toxic gas              |
| Hazardous Polymerization:        | Will not occur                                |

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**Section 11. Toxicological Information**

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This material has not been tested

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**Section 12. Ecological Information**

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There have been no known studies on ecological impacts of this material

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**Section 13. Disposal Considerations**

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Dispose of according to Federal, State and Local Law. Treat as a non-hazardous waste

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**Section 14. Transportation Information**

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Shipping descriptions may vary based on mode of transportation, origin, destination, and quantity of goods being shipped

|  |                     |
|--|---------------------|
| USDOT  | Class not regulated |
| SEA -IMDG (International Maritime Dangerous Goods)     | Class not regulated |
| AIR - ICAO (International Civil Aviation Organization) | Class not Regulated |

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**Section 15: Regulatory Information**

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U.S. Federal Regulations:

|                            |               |
|----------------------------|---------------|
| TSCA                       | N/A           |
| CERCLA                     | N/A           |
| SARA TITLE III             | N/A           |
| 311/312 Hazards            | N/A           |
| 313 Reportable Ingredients | See Section 2 |

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**Section 16 Other Information**

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