

**MATERIAL SAFETY DATA SHEET**

**Technical Polymers**  
**Ecomass Compound 1080CO94**

| <b>SECTION 1 - GENERAL</b>   |  |                                      |                                      |
|--|--|--------------------------------------|--------------------------------------|
| <b>Manufacturer's Name</b>   | Technical Polymers   | <b>Emergency Telephone No.</b>       | 770-237-2311                         |
| <b>Address</b>   | 4917 Golden Parkway, Suite 300<br>Buford, GA 30518   | <b>Other Information Calls</b>       | 770-237-2311                         |
| <b>Signature of Person</b>   | <i>Dennis Eich</i>   | <b>Date</b>                          | 5-Feb-06                             |
| <b>SECTION 2 - IDENTITY</b>  |  |                                      |                                      |
| <b>Common Name: (used on label)</b>  | <u>Ecomass Compound 1080CO94</u>   | <b>CAS No.</b>                       | 77402-38-1                           |
| <b>(Trade Name &amp; Synonyms):</b>  |  | <b>CAS No.</b>                       | 7440-50-8                            |
| <b>Chemical Name:</b>  | Plastic Compound (Mixture)   | <b>Chemical Family:</b>              | Polyamide                            |
| <b>Formula:</b>  | Copper Powder<br>Proprietary   |                                      | Refractory Metal                     |
| <b>SECTION 3 - HAZARDOUS INGREDIENTS</b>   |  |                                      |                                      |
| <b>Principal Hazardous Component (s) (Chemical and Common Name (s))</b>  | <b>%</b>   | <b>Threshold Limit Value (units)</b> |                                      |
| This material has not been evaluated as a whole. All ingredients are bound in a polymer matrix and potential for hazardous exposure as shipped is minimal. However, some fumes may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respirator program, etc.) to protect his employees from exposure. (See Section 8 - Special Precautions.) The following ingredients are considered hazardous per OSHA 1910.1200: |  |                                      |                                      |
| <b>Metallic Powder</b>   |  | <b>Nuisance dust</b>                 |                                      |
| If Chemical is not specifically identified, it is considered proprietary.  |  |                                      |                                      |
| <b>SECTION 4 - PHYSICAL &amp; CHEMICAL CHARACTERISTICS (FIRE &amp; EXPLOSION DATA)</b>   |  |                                      |                                      |
| <b>Boiling Point</b>   | N/A  | <b>Specific Gravity</b>              | 5 - 7                                |
| <b>Percent Volatile by Volume (%)</b>  | N/A  | <b>Vapor Density (Air = 1)</b>       | Solid                                |
| <b>Solubility in Water</b>   | Insoluble  | <b>Reactivity in Water</b>           | None Known                           |
| <b>Flammable limits in air by Volume</b>   | LEL Lower N/A  | UEL Upper N/A                        | <b>Extinguisher Media</b> All Common |
| <b>Appearance and Odor:</b>  | Copper colored pellet, slight odor   |                                      |                                      |
| <b>Special Fire Fighting Procedures</b>  | Self-contained breathing apparatus should be worn to prevent inhalation of smoke and decomposition products in the event the material should burn. |                                      |                                      |

**MATERIAL SAFETY DATA SHEET**

**Technical Polymers**  
**Ecomass Compound 1080CO94**

| <b>SECTION 5 - PHYSICAL HAZARDS</b>  |                |   |   |  |                             |                              |   |             |                                |            |    |
|--|----------------|---|---|--|-----------------------------|------------------------------|---|-------------|--------------------------------|------------|----|
| <b>Stability</b>   |                | Unstable  |   |  | <b>Conditions to Avoid</b>  |                              | <b>Incompatibility (Materials to Avoid)</b> |             | None Known                     |            |    |
|  | Stable         | X   |   |  | NA                          |                              |   |             |                                |            |    |
| <b>Hazardous Decomposition Products</b>  |                | Trace amounts oxides of C, N, P and S (combustion)  |   |  |                             |                              |   |             |                                |            |    |
| <b>Hazardous Polymerization</b>  |                | May Occur   |   |  | <b>Conditions to Avoid</b>  |                              |   |             | None                           |            |    |
|  | Will Not Occur | X   |   |  |                             |                              |   |             |                                |            |    |
| <b>SECTION 6 - HEALTH HAZARDS (SEE SECTION 3)</b>  |                |   |   |  |                             |                              |   |             |                                |            |    |
| <b>Threshold Limit Value</b>   |                | None  | <b>Signs &amp; Symptoms of Exposure</b> |  | None                        | <b>1. Acute Overexposure</b> |   | None Known  | <b>2. Chronic Overexposure</b> | None Known |    |
| <b>Medical Conditions Generally Aggravated by Exposure</b>                               |                | None Known  |   |  |                             |                              |   |             |                                |            |    |
| <b>Chemical Listed as Carcinogen National Technology or Potential Carcinogen Program</b> |                | Yes   |   |  | <b>I.A.R.C. Mono-graphs</b> |                              | Yes   | <b>OSHA</b> |                                | Yes        |    |
|  | No             | X   |   |  | No                          |                              | X   |             |                                | No         |    |
| <b>OSHA Permissible Exposure Limit</b>   |                | N/A   | <b>ACGIH Threshold Limit Value</b>      |  | N/A                         |                              | <b>Other Exposure Limit Used</b>            |             | N/A                            |            |    |
| <b>Emergency and First Aid Procedures</b>  |                | 1. Inhalation No known effects. If respiratory irritation occurs, move to fresh air and consult physician.<br>2. Eyes No known effects. If irritation occurs, consult physician.<br>3. Skin No known effects. If irritation occurs, consult physician.<br>4. Ingestion No known effects. If irritation occurs, consult physician. |   |  |                             |                              |   |             |                                |            |    |
| <b>SECTION 7 - SPECIAL PROTECTION INFORMATION</b>  |                |   |   |  |                             |                              |   |             |                                |            |    |
| <b>Respiratory Protection (Specify Type)</b>   |                | May be necessary if mechanical ventilation is insufficient.   |   |  |                             |                              |   |             |                                |            |    |
| <b>Ventilation</b>   |                | Yes   | <b>Local Exhaust</b>                    |  | Yes                         | <b>Mechanical General</b>    |   | Yes         | <b>Special and/or Other</b>    |            | No |
| <b>Protective Gloves</b>   |                | No  | <b>Eye Protection</b>                   |  | No                          |                              |   |             |                                |            |    |
| <b>Other Protective Clothing or Equipment</b>  |                | No  |   |  |                             |                              |   |             |                                |            |    |

**MATERIAL SAFETY DATA SHEET**

**Technical Polymers**  
**Ecomass Compound 1080CO94**

| <b>SECTION 8 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES</b>  |  |
|---|--|
| <b>Precautions to be Taken in Handling and Storage</b>  |  |
| <b>Other Precautions</b>  | Upon heating some fumes may be released. ADEQUATE mechanical ventilation and/or a properly maintained respiratory protection program is required. DO NOT PUT IN MOUTH. |
| <b>Steps to be Taken in Case Material is Released or Spilled</b>  | Scoop or shovel material and return to original container. See Section 9 for Applicable State and Federal regulations.   |
| <b>Waste Disposal Methods</b>   | Dispose of in accordance with all Local, State and Federal regulations.  |
| <b>SECTION 9 - REGULATORY INFORMATION</b>   |  |
| The following ingredients of this mixture are reportable as listed under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372: |  |
|   | Copper   |
| The user must determine whether a report is required to EPA for any amounts of this material disposed of or otherwise released to into the environment.                                   |  |
| <b>NOTICE:</b>  | <b>This notification must remain attached to its accompanying MSDS. If the MSDS is copied or redistributed, a copy of this notification must also be attached.</b>     |

---

Information presented herein has been compiled from sources to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use, and since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of this material.

---