



## MATERIAL SAFETY DATA SHEET

|                         |   |
|-------------------------|---|
| Product Description     | Powdered Extract of <i>Pinus radiata</i> bark   |
| Trade Name              | <b>Enzogenol®</b>   |
| Ingredients             | Water soluble monomeric to oligomeric proanthocyanidins, flavonoids, organic acids, flavonoid glycosides and esters |
| Chemical Name (Actives) | Flavonoids including proanthocyanidins  |
| Chemical Classification | Organic Nutritive   |
| Usage                   | Dietary Supplement  |
| Hazard Classification   | Slight  |

### Fire, Explosion and Reactivity Data

|                                   |  |
|-----------------------------------|--|
| Flash Point                       | Not applicable                             |
| Flammable Limits (Air)            | Not applicable                             |
| Extinguishing Media               | Water                                      |
| Special Fire Fighting Procedures  | Not applicable                             |
| Degree of Fire & Explosion Hazard | Slight when exposed to high heat and flame |
| Stability                         | Stable                                     |
| Hazardous Decomposition Products  | None known                                 |

### Routes of Exposure

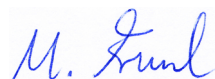
|              |   |
|--------------|---|
| Inhalation   | May cause mild irritation to respiratory tract.                             |
| Skin Contact | May cause mild irritation. Irritation negative on skin patch test up to 2%. |
| Eye Contact  | May cause mild irritation. Conjunctiva irritation negative up to 1%.        |
| Ingestion    | NOAEL (rats) > 2000 mg/kg using OECD Limit Test                             |

### Effects of Overexposure

No adverse effects known.

### Emergency and First Aid Recommendations

|                                    |  |
|------------------------------------|--|
| Eyes                               | Flush with clean water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.           |
| Skin                               | Wash with soap and water. If irritation occurs and persists, obtain medical attention.                                 |
| Inhalation                         | Remove to fresh air. If breathing is difficult or if any discomfort persists, obtain medical attention.                |
| Special Protection Information     | General safety equipment including safety glasses, dust mask and gloves.   |
| Storage and Handling               | To protect product quality avoid excessive heat and store in airtight container in a dry place.                        |
| Disposal, Spill or Leak Procedures | Dilute with water to drain (if permitted) or arrange commercial disposal. Wash spillage site with detergent and water. |

  
(Matt Frevel, CSO)