

| MATERIAL SAFETY DATA SHEET | | | | | | |
|---|---|--|--|------------------------------|---|----------|
| SECTION 1 Identification of the Substance/Preparation and of the Company | | | | | | |
| 1.1 | Product Trade Name | Hybrid Bond Hybrid Brushes | | | | |
| 1.2 | Exporter: | Name | Sun Medical Co., Ltd. | | | |
| | | Address | 571-2 Furutaka-cho, Moriyama, Shiga, 524-0044, Japan | | | |
| | | Telephone | 81-77-582-9981 | | | |
| | | Facsimile | 81-77-582-9984 | | | |
| | | e-mail | export@sunmedical.co.jp | | | |
| SECTION 2 Composition / Information on Ingredients | | | | | | |
| | | CAS No. | UN No. | Percent | Symbol | R-Phrase |
| | Preparation | ---- | ---- | ---- | ---- | ---- |
| | Ingredients | CAS No. | UN No. | Percent | Symbol | R-Phrase |
| | Nylon tuft | ---- | ---- | ---- | --- | ---- |
| | sodium p-toluenesulfinate (p-TSNa) | 824-79-3 | ---- | approx. 50 % | --- | ---- |
| | Common name: aromatic amine | Trade secret | ---- | approx. 50 % | --- | ---- |
| SECTION 3 Hazards Identification | | | | | | |
| 3.1 | Emergency overview | Combustible solid. | | | | |
| 3.2 | Potential health effects | | | | | |
| | Eye | May cause irritation and possible corneal injury. | | | | |
| | Skin | May cause irritation, redness. | | | | |
| | Ingestion | May cause irritation of the digestive tract. | | | | |
| | Inhalation | No hazard in ordinary use. | | | | |
| | Effects of Long-term or Repeated Exposure | Not known. | | | | |
| SECTION 4 First-Aid Measures | | | | | | |
| 4.1 | Eye | Immediately flush with flowing water for at least 15 minutes. Get medical attention. | | | | |
| 4.2 | Skin | Flush with soap and plenty of water. Get medical attention if irritation develops or persists. | | | | |
| 4.3 | Ingestion | Promptly drink several glasses of water or milk to dilute. Get medical attention. | | | | |
| 4.4 | Inhalation | No specific treatment is necessary by inhalation of a small amount. If exposed to excessive levels of dusts, remove to fresh air and get medical attention if cough or other symptoms develop. If breathing is difficult, give oxygen and get medical attention. | | | | |
| SECTION 5 Fire-Fighting Measures | | | | | | |
| 5.0 | Flammable properties | Combustible. Concentration of the dust may be explosive. | | | | |
| 5.1 | Flash point | >250°C | 5.2 | Autoignition temp. | Not known. | |
| 5.3 | Flammable limit | Not known. | 5.4 | Suitable extinguishing media | For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For Large fires, use water spray, fog, or alcohol-resistant foam. | |
| 5.5 | Hazardous decomposition products | Toxic gasses such as carbon monoxide, oxides of nitrogen, hydrogen cyanide, acrylonitrile, acetaldehyde or sulfur oxide may be released in a fire. | 5.6 | Special protective equipment | During emergency conditions, over-exposure to thermal decomposition products may cause health hazard. Self-contained breathing apparatus should be worn. | |

| SECTION 6 Accidental Release Measures | | | | |
|---|---|--|-------------------------|-----------------|
| 6.1 | Personal precaution | For skin protection wear impervious protective gloves. For eye protection use safety goggle. | | |
| 6.2 | Environmental precautions | Not known. | | |
| 6.3 | Methods for cleaning-up | In case material is released or spilled, sweep up and place spill in a chemical waste container. Flush spill area with water. | | |
| SECTION 7 Handling and Storage | | | | |
| 7.1 | Handling | Observe normal warehouse handling procedures. Protect against physical damages. Use in a ventilated place. Wash hands thoroughly after handling. | | |
| 7.2 | Storage | Keep tightly closed. Store in a cool, dry and dark place. Store away from direct sunlight. Keep away from sources of ignition. | | |
| SECTION 8 Exposure Controls / Personal Protection | | | | |
| 8.1 Engineering measures | | | | |
| | Ventilation | General and/or local ventilation should be sufficient. | | |
| | Other protective equipment | Eye wash station near work area. | | |
| 8.2 Personal protection | | | | |
| | Respiratory protection | None required during ordinary use of this product. | | |
| | Hand protection | Use impervious protective gloves to prevent skin contact. | | |
| | Eye protection | Use safety glasses. | | |
| | Skin protection | Use impervious protective gloves to prevent skin contact. | | |
| | Exposure guideline | Not known. | | |
| SECTION 9 Physical and Chemical Properties | | | | |
| 9.1 | Appearance | White solid coated on brush tuft. | 9.2 Odor | None. |
| 9.3 | pH | Not applicable. | 9.4 Vapor density | Not applicable. |
| 9.5 | Boiling point | Not known. | 9.6 Solubility in water | Not known. |
| 9.7 | Specific gravity | Not known. | | |
| SECTION 10 Stability and Reactivity | | | | |
| 10.1 | Stability | Hygroscopic. | | |
| 10.2 | Conditions to avoid | High temperature (above 30°C), high humidity, direct sunlight and ignition sources. | | |
| 10.3 | Incompatibility (materials to avoid) | Strong oxidizing agents. | | |
| 10.4 | Hazardous decomposition products | The gases listed in 5.5 above may form when heated to decomposition. | | |
| 10.5 | Hazardous polymerization | Will not occur. | | |
| SECTION 11 Toxicological Information | | | | |
| 11.1 | Health hazards (immediate, delayed, acute, chronic) | Contact with eyes and skin may cause irritation. | | |
| 11.2 | Toxicity | (p-TSNa): LD ₅₀ (Oral/rat): 3,200 mg/kg | | |
| 11.3 | Mutagenicity | Not known | | |
| 11.4 | Carcinogenicity | (NTP) No, (IARC) No | | |

| SECTION 12 Ecological Information | |
|--------------------------------------|--|
| 12.1 General | This material is not expected to be significantly hazardous to the environment. |
| 12.2 Mobility | Not known. |
| 12.3 Degradability | Not known. |
| 12.4 Accumulation | Not known. |
| 12.5 Ecotoxicity | Not known. |
| 12.6 Other adverse effects | Not known |
| SECTION 13 Disposable Considerations | |
| 13.1 Danger in disposal | Should be handled as hazardous waste. |
| 13.2 Disposal method | Incinerate in accordance with all applicable environmental control regulations, or landfill in an industrial landfill which has approval to receive such wastes. |
| SECTION 14 Transport Information | |
| 14.1 Precautions for transport | ----- Observe normal care for transportation of sophisticated health care materials. Cover from rain, direct sunlight, heat and contaminating materials. |
| 14.2 UN | ----- |
| 14.3 IMDG | ----- |
| 14.4 ICAO/IATA | ----- |
| SECTION 15 Regulatory Information | |
| 15.1 RTECS | (p-TSNa) XT47250 |
| 15.2 EU Classification | ----- |
| SECTION 16 Other Information | |
| 16.1 | Prepared / Revised in April 2007 by Sun Medical Co., Ltd. |
| 16.2 | This Product is for dental professional use only. |
| 16.3 | The information above is believed to be accurate. However, Sun Medical Co., Ltd. makes NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Users must take their own investigations to determine the suitability of the information and the Product for their particular purposes. |