1. Chemical Product and Company Identification
   Product Identification
   AS-10

   Manufacture's Information
   Manufacture's name: Roland DG Corporation
   Address: 1-6-4 Shinmiyakoda, Kita-ku, Hamamatsu-shi,
   Shizuoka 431-2103
   JAPAN
   Phone: + 81-53-484-1224
   Fax: + 81-53-484-1226

2. Hazards Identification
   No special hazards.
   Note: To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

3. Composition and information on ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene terephthalate</td>
<td>25038-59-9</td>
</tr>
<tr>
<td>Polyvinyl Alcohol</td>
<td>9002-89-5</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>9002-88-4</td>
</tr>
<tr>
<td>Acrylic resin</td>
<td>-</td>
</tr>
<tr>
<td>Ammonium hydroxide</td>
<td>1336-21-6</td>
</tr>
<tr>
<td>Polyoxylethylene nonylphenyl ether</td>
<td>9016-45-9</td>
</tr>
</tbody>
</table>

4. First Aid Measures
   Eye contact: Flush eyes with plenty of clean water. If symptoms persist, get Medical attention.
   Skin contact: Wash affected skin with water. If irritation develops, get medical attention.
   Inhalation: Blow nose and rinse out mouth, If symptomatic move to fresh air. Get medical attention, if symptoms persist.
   Ingestion: If a considerable quantity has been swallowed, get medical attention.
5. Fire - Fighting Measures
   Extinguishing Media: Water spray, dry chemical
   Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
   Hazardous Combustion Products: Carbon dioxide, carbon monoxide

6. Accidental Release Measures
   Sweep or scoop up and remove.

7. Handling and Storage
   Handling: Wear safety goggles and a dust respirator.
   Storage: Depending on the storage of combustible materials common, that to keep the quality of the product, the storage conditions are normal temperature and humidity and direct sunlight should be avoided, shock, avoid excessive stacking.

8. Exposure Controls, Personal Protection
   Protective equipment: No special requirements
   Eye Protection: Wear safety goggles.
   Hand Protection: Wear gloves.

9. Physical and Chemical Properties
   Physical Form: Sheet was coated with a resin on both sides of the nonwoven fabric
   Color: White
   Specific Gravity: No data
   Melting Point: No data
   Thermal decomposition: No data
   Solubility: No data
   Flash Point: No data
   Ignition Point: No data
   Autoignition: No data
   Temperature: 

10. Stability and Reactivity
    Stability: Stable

11. Toxicological Information (including examples of symptoms in humans and epidemiological information)
    Acute Toxicity: No data
    Skin Irritation: There is a rare inflammation of the mucous membranes and can cause eczema there is a weak irritant to the skin, but individual differences.
    Eye Irritation: Not applicable
    Chronic Toxicity: No data
    Carcinogenicity: No data

12. Ecological Information
    Biodegradability: No data
    Bioaccumulation: Not accumulable
    Ecotoxicity: No data
13. Disposal Considerations
   Incineration or landfill in accordance with applicable regulation.

14. Transport Information
14.1. UN Class/UN Number:
   ADR/ADG/DOT, IMDG, or IATA: Not regulated
14.2. UN proper shipping name:
   ADR/ADG/DOT, IMDG, or IATA: Not regulated
14.3. Transport hazard class(es):
   ADR/ADG/DOT, IMDG, or IATA: Not regulated
14.4. Packing group:
   ADR/ADG/DOT, IMDG, or IATA: Not regulated
14.5. Environmental hazards:
   ADR/ADG/DOT, IMDG, or IATA: Not regulated
14.6. Special precautions for user:
   Transport and storage of the product in accordance with general
   precautions and instructions mentioned in this SDS.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC code:
   Not regulated

15. Regulatory Information
   Follow all regulation in your country.

16. Other Information
   The information in this Safety Data Sheet (SDS) is believed to be correct to the best of our knowledge, information
   and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use,
   processing, storage, transportation, disposal and release and is not to be considered a warranty or quality
   specification. The information relates only to the specific material designated and may not be valid for such
   material used in combination with any other materials or in any process, unless specified in the text. It is subject to
   revision as additional knowledge and experience is gained. Roland DG does not warrant the completeness or
   accuracy of the information contained herein.