1. Chemical Product & Company Identification

   a. Chemical Product Name  Acrylonitrile, 1,3 Butadiene, and Styrene Co-polymer
   b. Usage                  Electronic Goods, Automotive Parts, Package, etc
   c. Chemical Type          Thermoplastics
   d. Company's Address      LG Chem, Ltd. 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, Korea
   e. Phone / Fax number     82-2-3773-3324, 3985 / 82-2-3773-3310
   f. Prepared By            ABS / PS Division

2. Composition / Information On Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>9003-3-56-9</td>
<td>97-100%</td>
</tr>
<tr>
<td>0 - 1%</td>
<td></td>
</tr>
<tr>
<td>0 - 2%</td>
<td></td>
</tr>
</tbody>
</table>

3. Hazards Identification

   a. Threshold Limit
   b. Effect of overexposure
      - Eye Contact  Solid or dust may cause irritation or corneal injury due to mechanical action
      - Skin Contact Essentially nonirritating to skin, Mechanical injury only
      - Skin Absorption Unlikely due to physical properties
      - Ingestion     Unlikely due to physical state.
      - Inhalation    Dust may cause irritation to respiratory
                       In case of breathing, fumes released from heated material
                       may cause respiratory irritation
      - Chronic Effects Not Available
      - Mutagenicity  Not Available
### 4. First AID

<table>
<thead>
<tr>
<th>Type</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Eye Contact</td>
<td>Immediately rinse eyes with copious amount of running water and seek medical advice</td>
</tr>
<tr>
<td>b. Skin Contact</td>
<td>Essentially nonirritating to skin but rinse with copious water</td>
</tr>
<tr>
<td>c. Ingestion</td>
<td>If vomiting occurs, lower the head to ease vomiting and seek medical advice</td>
</tr>
<tr>
<td>d. Inhalation</td>
<td>In case of breathing, fumes released from heated material may cause respiratory irritation In case of inhaling dense smoke, immediately remove a person to fresh air. If necessary, apply artificial respiration and seek medical attention immediately</td>
</tr>
<tr>
<td>e. Mutagenicity</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

### 5. Fire Fighting Measures

- **a. Flammable Properties**
  - Flash Point: None
  - Method Used: Not applicable
  - Auto ignition Temperature: Not applicable
- **b. Extinguishing Media**
  - Usually use water and use extinguishing media appropriate to surrounding conditions
- **c. Special Fire Fighting Procedure**
  - Cool Containers with water spray. In closed stores, provide fire fighter with self-contained breathing apparatus in positive pressure mode
- **d. Usual Fire and Explosion Hazards**
  - Irritating gases and dense smoke

### 6. Accidental Release Measures

- **a. Personal Precautions**
  - Pellets or beads may present a slipping hazard
- **b. Environmental Precautions**
  - Keep out of irrigation ditches, sewers, and water supplies
  - Spills should be collected to prevent contamination of waterways
- **c. Cleanup**
  - Sweep up
7. Handling and Storage
   a. Handling
      Avoid formation of dust
      Keep bags always closed / Keep container lightly closed
      Avoid pellets / bags from getting wet
   b. Storage
      Keep bags / containers in a well-ventilated place
      Avoid pellets / bags from getting wet

8. Exposure Controls / Personal Protection
   a. Engineering Controls
      Good general ventilation should be sufficient for most conditions.
      Local exhaust ventilation may be necessary for some operations
   b. Personal Protective Equipment
      • Eye / Face Protection
        Use safety glasses. If there is a potential for exposure to particles which
        Could cause mechanical injury to the eye, wear chemical goggles
      • Skin Protection
        No precautions other than clean body-covering clothing should be needed
      • Respiratory Protection
        For most conditions, no respiratory protection should be needed; however,
        If handling at elevated temperatures without sufficient ventilation, use an
        approved air-purifying respirator. In dusty atmospheres, use an approved
        dust respirator
   c. Exposure Guideline (s)
      Although some of the additives used in this product may have exposure
      guidelines, these additives are encapsulated in the product and
      no exposure would be expected under normal handling conditions

9. Physical And Chemical Properties
   a. Appearance
      Pellet (Colored solid)
   b. Odor
      Almost Odorless
   c. pH
      Neutral
   d. Boiling Point
      Not applicable
   e. Evaporation Rate
      Not applicable at standard condition
   f. Specific Gravity
      1.05
   g. Vapor Pressure
      Not applicable at standard condition
   h. Vapor Density
      Not applicable at standard condition
   i. Solubility in Water
      Insoluble
   j. Solubility in other Solvent
      Soluble in THF, Acetone and other Analogous Solvents
10. Stability and Reactivity

<table>
<thead>
<tr>
<th>a. Stability</th>
<th>Stable under normal condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>b. Storage conditions to avoid</td>
<td>Avoid fire and heating above 60°C</td>
</tr>
<tr>
<td>c. Incompatibility</td>
<td>None known</td>
</tr>
<tr>
<td>d. Hazardous decomposition products</td>
<td>Not applicable</td>
</tr>
<tr>
<td>e. Hazardous polymerization</td>
<td>Not occur</td>
</tr>
</tbody>
</table>

11. Toxicological Information

See Section 3 for Potential Health Effects. For detailed toxicological data, Write or call the address or phone number shown in Section 1.

12. Ecological Information

<table>
<thead>
<tr>
<th>a. Environmental Fate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movement &amp; Partitioning</td>
</tr>
<tr>
<td>Degradation &amp; Persistence</td>
</tr>
<tr>
<td>b. Ecotoxicity</td>
</tr>
</tbody>
</table>

13. Disposal Considerations

Disposal: Do not Dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with appliance laws are the responsibility solely of the waste generator.

For unused & uncontaminated product, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device.
14. Transport Information

Not classified as hazardous under transport regulations.

15. Other Information

Product should be handled, stored, and used in accordance with the generally accepted industrial hygiene practices and in conformity with all the applicable legal regulations.

The information provided herein is based on the knowledge possessed at this present time from the viewpoint of safety requirements.

It should, therefore, not be construed as guaranteeing specific properties.