Material Safety Data Sheet
Superabsorbent Polymer SAP

Section 1 Chemical Product and Company Identification

Product: Superabsorbent Polymer
Company information
Yixing Danson Science & Technology Co; Ltd
Kaixuan Road Yixing EDZ
Jiangsu Province
214200 China
Phone: 0510 87508766

Section 2 Composition, Information on ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS number</th>
<th>Content (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Polyacrylate, cross-linked</td>
<td>9003-04-7</td>
<td>95 min.</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>5.0 max.</td>
</tr>
</tbody>
</table>

Section 3 Hazardous Identification

White granular powder, odorless
No particular hazards known
( Substance not considered hazardous, however, not all aspects of this substance have been thoroughly investigated)

Section 4 First Aid Measures

Call a physician, seek medical attention for further treatment, observation and support after first aid
Inhalation: Remove to fresh air at once, If breathing has stopped give artificial respiration immediately
Eye contact: Immediately flush with fresh water for 15 minutes
Skin contact: Wash continuously with fresh water for 15 minutes
Ingestions: Give large quantities of water. Call a physician or poison control at once

Section 5 First Fighting Measures

Non flammable solid
Flash point Not Applicable
Autoignition temperature Not Applicable
Lower explosive limit Not Applicable
Upper explosive limit Not Applicable
Spontaneous combustion point Not Applicable
Extinguishing media Carbon dioxide, dry chemical, foam, in reference to a water spray
Special dire fighting procedures Water may create a slip hazard with product. Use self-contained breathing apparatus and full protective equipment
Section 6 Accidental release Measures
Environmental precautions: Prevent from spilling into waterways, sewers.
Personal precautions: Restrict unprotected personnel from area. Sweep up or vacuum in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Section 8 and 13 for further information.

Section 7 Handling and Storage
Handle bags in a manner that should ensure minimal generation of dusts. Do not breathe dust, which may be generated accidentally. Follow safe work procedures and wear the appropriate personal protective equipment specified in Section 8. The workers must be instructed and trained in the safe work procedures.
Do not reply on sight to determine if dust is in the air. If dust cannot be kept below permissible limits, wear a high efficiency respirator with a N95 rating or better.
Store in a dry environment away from incompatible material such as Hydrofluoric acid(HF).

Section 8 Exposure Controls, personal protection
Engineering controls such as an enclosure or local exhaust ventilation with dust collection must be used to maintain airborne contaminations levels below the exposure limits, where practicable.
Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron. Appropriate respiratory protection is necessary if an application causes dusting.

Section 9 Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>White odorless powder</th>
<th>Vapor pressure</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solubility</td>
<td>Insoluble, however swells in water</td>
<td>Vapor density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Formula</td>
<td>(C3H4O2.C3H3O2.Na)x</td>
<td>Bulk density</td>
<td>0.60-0.70</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>5.6-6.7</td>
<td>Explosiveness</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable</td>
<td>Oxidation</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
<td>Coefficient of water/oil</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Section 10 Stability and Reactivity
Stable under normal temperature and pressure
Avoid contact with strong oxidizing agents
Polymerization to be not occur
Shelf life to be Good if kept dry

Section 11 Toxicological Information

| Acute effects: | Irritating dust | ORL-RAT LD50: >5 gm/kg |
|               | Chronic effects: | N.A | IHL-RAT LC50: N.A |
| Cytotoxicity:  | Non-toxic        | SKN-RBT LD50: >2 gm/kg |
| Target organs:| N.A              | Sensitization: N.A    |

*N.A = not available. Not all health aspects of this substance have been fully investigated.*
Section 12 Ecological Information
No data available (Environmental Impact Rating/Acute Aquatic Toxicity/Degradability)
This substance is chemically inert in the environment, therefore no environmental impact for uncontaminated products is expected. In the environment this substance had no soil mobility, aquatic mobility. No bioaccumulation will occur.

Section 13 Disposal Considerations
This material may be disposed of at a landfill, if uncontaminated. For contaminated absorbent, consult with all applicable regulations for the contaminant prior to disposal. Store material for disposal as indicated in Storage Conditions.

Section 14 Transport Information
Shipping Name: Not regulated
Hazard Class: Not Applicable
UN Number: Not Applicable
No Classification currently assigned (IATA/IMO/DOT)

Section 15 Regulatory Information
TSCA(Toxic Substance Control Act): Listed
CEPA, Domestic Substances List: Listed
Others: No

Section 16 Other Information
Consult your copy of the Yixing Danson Science and Technology Co Ltd Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet(MSDS) is for guidance and is based upon information and tests believed to be reliable. Yixing Danson Science and Technology Co Ltd makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Yixing Danson Science and Technology Co Ltd assumes no legal responsibility for use or reliance upon this data.

Disclaimer: This MSDS summarized our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace, including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Yixing Danson Science and Technology Co Ltd. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.