**SECTION 1:**

Product details
- **Trade name/Synonyms:** TAC, TWS, TLT-I-HV, TLT-M, TLT-X, TLT-S
- **Application of the substance:** Chemical product for plastic use.
- **Manufacturer/Supplier:** Sichuan Push Acetati Co., Ltd.
- **Tel:** +86-831-4633099
- **Fax:** +86-831-4633107

**SECTION 2: Hazards identification**

Potential Health Effects:
- **Routes of entry for solids:** Not available
- **Routes of entry for gases:** N/A
- **Eye and skin contact with dust:** Not available
- **Dust inhalation:** Not available
- **Dust ingestion:** Not available

**SECTION 3: Composition/information on ingredients**

**Chemical characterization**
- **Description:** Mixture of substances listed below with additions.

<table>
<thead>
<tr>
<th>Components Number</th>
<th>Additional identification</th>
<th>Approximate(%) by Wt. Or Vol.</th>
<th>Classification</th>
<th>Workplace Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cellulose Triacetate</td>
<td>CAS-No.: 9012-09-3</td>
<td>100%</td>
<td>-</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**SECTION 4: First aid measures**

Persons using these products should consult a physician or other medical professional if an accident involving these products in injury. Specific first-aid measures are as follows:
- **Eye Contact:** Wash out any material that contacts the eye immediately with water.
- **Skin Contact:** No special precautionary measures necessary. Generally not irritant to skin.
- **Inhalation:** No special precautionary measures necessary. If symptomatic move to fresh air. Get medical attention if symptoms persist.
- **Ingestion:** Get medical attention if symptoms persist.

**SECTION 5: Firefighting measures**

- **Extinguishing Media:** Water spray, dry chemical, carbon dioxide.
- **Special Fire Fighting Procedures:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a positive pressure.
- **Unusual Fire and Explosion Hazards:** Avoid inhaling fumes. Toxic fumes: presence of carbon monoxide.
- **Explosion Sensitivity to Mechanical Impact:** Not available.
- **Explosion Sensitivity to Static Discharge:** Not available.
**SECTION 6: Accidental release measures**

**Release Response:** None specific recommended.

**Measures for environmental protection:** Mechanically sweep or scoop up waste material and remove to another recipient, avoiding dust generation and accumulation.

**SECTION 7: Handling and storage**

**Handling:**

**Information for safe handling:**
No special precautionary measures should be needed under anticipated conditions of use. Avoid inhalation of dust (provide ventilation adequate to maintain dust concentration below 10 mg/m3). Avoid build up of static electricity by use of ground conductor.

**Information about fire- and explosion protection:**

**Storage:**

**Requirements to be met by storerooms and receptacles:**
Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store in accordance with good industrial practices.

**Information about storage in one common storage facility:**
Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not expose to air.

**Further information about storage condition:** Not available.

**SECTION 8: Exposure controls/personal protection**

**Engineering Controls:** Exposure: TLV (dust): 10 mg/m3.

**Personal Protective Equipment:**

**Protection of Hands:**
Wear appropriate protective gloves to minimize contact with skin.

**Protection of Eyes:** Safety glasses and dust mask/respirator are recommended if levels of airborne concentrations are high.

**Protection of Respiratory Tract:** Approved dust respirator with P2 filter must be worn if engineering controls do not maintain airborne concentrations below recommended limits.

**Protection of Body:** Work dresses.

**General protective and hygienic measures:** Not available.

**Material of Gloves:** None specific recommended

**SECTION 9: Physical and chemical properties**

<table>
<thead>
<tr>
<th>General Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong></td>
</tr>
<tr>
<td>Color: Grain</td>
</tr>
<tr>
<td>Odor: White</td>
</tr>
<tr>
<td>Odorless</td>
</tr>
<tr>
<td><strong>Change in condition:</strong></td>
</tr>
<tr>
<td>Melting point/Melting range: 290 – 310 °C</td>
</tr>
<tr>
<td>Decomposition Temperature: Not available</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
</tr>
<tr>
<td>Not available</td>
</tr>
<tr>
<td><strong>Self-igniting:</strong></td>
</tr>
<tr>
<td>Not available</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong></td>
</tr>
<tr>
<td>Not available</td>
</tr>
<tr>
<td><strong>Vapour pressure:</strong></td>
</tr>
<tr>
<td>Not available</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol / water):</strong></td>
</tr>
<tr>
<td>Not available</td>
</tr>
<tr>
<td><strong>Density:</strong></td>
</tr>
<tr>
<td>Relative density: 0.3 – 0.6 Kg/l</td>
</tr>
<tr>
<td>Specific gravity: 1.28 – 1.32 g/cm3(Water=1)</td>
</tr>
<tr>
<td>Not available</td>
</tr>
</tbody>
</table>
Cellulose diacetate
Safety Data Sheet

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
</tr>
<tr>
<td>Solubility in/Miscibility with Water</td>
<td>Not soluble</td>
</tr>
<tr>
<td>PH-Value</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity Dynamic</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity Static</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

- **Chemical Stability**: Stable under normal conditions.
- **Dangerous Decomposition Products**: Powdered material may form explosive dust-air mixtures. Combustion may produce carbon dioxide and acetic acid fumes.
- **Hazardous Polymerizations**: Will not occur.
- **Conditions to Avoid**: Can react with strong oxidizing agents.

**SECTION 11: Toxicological information**

- **Potential Health Effects**:
  - **Acute Effect**: No evidence of adverse from available information.
  - **Chronic Effects**: No evidence of adverse from available information.
  - **Sensitization**: Not available.
- **LD50**: LD50 > 5000mg/kg.bw (Acute Oral Toxicity of Rat), actual non-toxic.

**SECTION 12: Ecological Information**

- **Ecotoxicological effects**:
  - **Effect of material on plants or animals**: No Toxic to plants or animals.
  - **Effect of material on plants or aquatic life**: No toxic to aquatic organisms.

**SECTION 13: Disposal considerations**

- **Waste Disposal Methods**: Recycle if possible. Discharge, treatment or disposal may be subject to national, state or local laws. Contact specialist agencies.
- **Recommendation**: Disposal must be made according to official regulations.

**SECTION 14: Transport information**

These products are not hazardous as defined by EU related Regulation and Directive.

- **Proper shipping name**: Not available.
- **Hazard class number and description**: Not available.
- **Packing Group**: Not available.
- **UN Indentification**: Not available.
- **Marine Pollutant**: Not available.
- **Attentions**: Not available.

**SECTION 15: Regulatory information**

- **Inventory of Existing Chemical Substances in China**: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).
- **TSCA (US Toxic Substances Control Act)**: This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.
- **MITI (Japanese Handbook of Existing and New Chemical Substances)**: This product is listed in the Handbook or has been approved in Japan by new substance notification.
- **ECL (Korean Toxic Substances Control Act)**: This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.
- **DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act)**: This product is listed on the DSL. Any impurities present in this product are exempt from listing.
- **AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme)**: This product is listed on AICS or otherwise complies with NICNAS.
- **PICCS (Philippine Inventory of Chemicals and Chemical Substances)**: This product is listed on the PICCS.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific
product features and shall not establish a legally valid contractual relationship.

Emergency Telephone Number:

Department issuing MSDS: