I、Product and Company Identification

Product Name: Zinc Hydroxy Stannate
Material Uses: Analytical reagent etc
Chemical Family: Inorganic salt.
Manufacturer:
Shandong Brother Sci.&Tech. Co.,Ltd.
NO.7 HuangHai Road,
Shouguang Bohai Industrial zone,
Shandong, China
TEL: 86-536-5268256  FAX: 86-536-5268259

II、Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS#</th>
<th>LD50</th>
<th>LC50</th>
<th>CONC.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Hydroxy Stannate</td>
<td>12027-96-2</td>
<td>Unknown</td>
<td>Unknown</td>
<td>&gt;98%</td>
</tr>
</tbody>
</table>

III、Hazards Identification

Not hazardous

IV、First Aid Measures

Inhalation: if overcome by high dust concentrations, remove to a ventilated area.
Skin contact: wash skin thoroughly with soap and water.
Eye contact: flush eyes thoroughly with water, taking care to rinse under eyelids. If irritation persists, continue flushing for 15 minutes, rinsing from time to time under eyelids. If discomfort continues, consult a physician.
Ingestion: if ingested, induce vomiting if conscious. Call a physician.

V、Fire-Fighting Measures

EXTINGUISHING MEDIA: non-flammable. In case of fire, wear self-contained breathing apparatus and spray containers exposed to fire with water.
HAZARDOUS COMBUSTION PRODUCTS: not applicable.
VI. Accidental Release Measures

Vacuum and place in appropriate containers, keeping airborne dust generation to a minimum. Moist material may be swept up and disposed.

VII. Handling And Storage

HANDLING PRECAUTIONS: avoid generating dust during handling.

STORAGE CONDITIONS: store in a dry and well-ventilated area.

VIII. Exposure Controls/Personal Protection

Provide local and general ventilation to maintain concentrations of air contaminants as low as possible.

Wear eye and respiratory protection(goggles and mask), or a full-face respirator if necessary. Wear gloves.

EXPOSURE LIMITS:

(ACGIH=American Conference of Governmental Industrial Hygienists, TLV=Threshold Limit Value; OSHA=Occupational Safety and Health Administration[USA]; PEL=Permissible Exposure Limit; TWA=Time-Weighted Average; STEL=Short Term Exposure Limited; Ceiling=Ceiling value)

<table>
<thead>
<tr>
<th></th>
<th>ACGIH(TLV)</th>
<th>OSHA(PEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Hydroxy Stannate</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Tin oxide and inorganic</td>
<td>2mg/m3</td>
<td>2mg/m3</td>
</tr>
</tbody>
</table>

IX. Physical And Chemical Properties

PH: Not applicable

Boiling point: Not applicable

Melting point: Decomposes at >400°C

Vapour density(air=1): Not applicable

Evaporation rate: Not applicable

Relative density(water=1): 3.9

Water solubility: 0.001g/l

Odour threshold: Not applicable

Flashpoint: Not applicable

Autoignition temperature: Not applicable

Lower flammable limit: Not applicable

Higher flammable limit: Not applicable

Explosive properties: Not applicable

Oxidizing properties: Not applicable
X. Stability And Reactivity

STABLE(yes/no):yes
CONDITIONS AND MATERIAL TO AVOID: Not applicable
HAZARDOUS EDCOMPOSITION PRODUCTS: No hazardous decomposition products are emitted when this product is strongly heated.

XI. Toxicological Information

ROUTES OF EXPOSURE: inhalation: Yes   ingestion: No
Eye contact: No   skin contact: No   skin absorption: No

ACUTE EFFECTS:
Inhalation: inhalation is not expected to product toxic effects.
Skin contact: may cause irritation through mechanical abrasion.
Eye contact: may cause irritation through mechanical abrasion.
Ingestion: low toxicity.

CHRONIC EFFECTS: Not determined.
Medical conditions aggravated by exposure to the product: Not applicable
Carcinogenicity/Mutagenicity/Reproductive toxicity: None of the ingredients present at concentrations equal to or greater than 0.1% are listed as a carcinogen or potential carcinogen by IARC,NTP or OSHA.(IARC=International Agency for Research on Cancer,NTP=National Toxicology Program[USA];OSHA=Occupational Safety and Health Administration[USA])

XII. Ecological Information

Avoid contaminating surface water, waterways, or sewers leading to surface water.

XIII. Disposal Considerations

Recycle if possible. Dispose of waste in accordance with federal, state, or local regulations.

XIV. Transport Information
XV  Regulatory Information

WHMIS CLASSIFICATION (Canada): Not controlled
EUROPEAN UNION CLASSIFICATION: Not controlled

Warning symbol: None
Warning word: None
Risk phrases: None
Safety phrases: None

XVI  Other Information

Disclaimer:

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