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MATERIAL SAFETY DATA SHEET

TRIBASIC LEAD SULFATE

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Tribasic Lead Sulfate

Synonyms : PVC Stabilizer

CAS NO. : 12202-17-4

Company Identification: Chongqing Changfeng Chemical Co. Ltd
30TH Floor, Longhu Ziduxingzuo Building A, 1st Branch, Yusong Road,
Yubei District, Chongqing China
Web site: www.changfengchem.com
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SECTION 2: INGREDIENTS

Color: White fine, odourless powder.

Formula : $3\text{PbO} \cdot \text{PbSO}_4 \cdot \text{Pb} (\text{C}_{17}\text{H}_{35}\text{COO})_2$

Boiling Point : N/A deg C

Melting Point : 977 deg C

Vapour Pressure : N/A

Specific Gravity : 7.10 (water = 1)

Flash Point : N/A

pH : N/A

Solubility in water : 0.026 g/l (25 deg C)

Flammability Limits (as percentage volume in air)

Lower Explosion Limit : N/A

Upper Explosion Limit : N/A

SECTION 3: HAZARDS IDENTIFICATION

Swallowed: There is little chance of ingestion under normal working conditions. No possibility of health hazards unless a large amount is ingested intentionally or inadvertently. Gargling is recommended in order to prevent peroral entry after finishing work.

Eye: May cause a feeling of physical disorder or a laceration.

Skin: A low possibility of entry affecting health if handled while wearing a hat, clothes, shoes and impervious gloves specially designed for working conditions, along with detergent for heavy metals removal after finishing work and washing clothes that bear the material.

Inhaled: A low possibility of entry affecting health if handled while wearing a special- class dust mask under normal working conditions.

SECTION 4: FIRST AID MEASURES

Swallowed: Induce vomiting with a large quantity of milk if large amounts are ingested. Keep at rest. Get prompt medical attention.

Eye: Irrigate with flowing water immediately and continuously for at least 15 minutes. Get medical attention.
Skin: Wash with soapy water and wash off in flowing water or shower. If irritation persists, seek medical attention.

Inhaled: Remove to fresh air. Blow nose and rinse mouth if necessary. Get medical attention.

First Aid Facilities: Ensure an eye bath and safety shower available and ready for use.

SECTION 5: FIRE FIGHTING MEASURES

Fire / Explosion: Cut off air and sprinkle with water. Take appropriate precautions against fumes of lead oxides (II), which may occur by high heat and fire.

Extinguishing Media: Firefighters should wear full bunker gear including positive pressure self-contained breathing apparatus in any closed space and full fire fighting protective clothing. Use water as extinguishing media.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills: Clean up personnel should wear full protective clothing including respiratory protection. Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of release or spill. Sweep up or otherwise vacuum released or spilled material by a vacuum cleaner.

Disposal: Consult an expert on the disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations.

SECTION 7: HANDLING AND STORAGE

Prevent any damage of packages and the spillage of material. Avoid excessive stacking and soaking of packages to prevent any damage. Keep away from heat, sparks, and open flame. Observe federal, state and local regulations for the control of poisonous substances and the prevention act for lead toxicosis. Keep away from strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection: Wear a special class dust mask. Wear impervious gloves. Wear safety glasses. Wear a full body suit. Take off working clothes after finishing work, and wash with detergent if the material is found adhered to the clothes.

Exposure Standard: OSHA PEL: 50 ug/m³ (Pb). ACGIH TLV: 0.15 mg (Pb) /m³. NIOSH REL TWA: 0.10 mg (Pb) /m³.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: fine, odourless powder.

Color: white

Boiling Point : N/A deg C

Melting Point : 977 deg C

Vapour Pressure : N/A

Specific Gravity : 7.10 (water = 1)

Flash Point : N/A

PH : N/A

Solubility in water : 0.026 g/l (25 deg C)

Flammability Limits (as percentage volume in air)

Lower Explosion Limit : N/A

Upper Explosion Limit : N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Unavailable

Conditions to Avoid: Conditions to be avoided heating (decomposition) & Hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute: lpr - guinea pig LDL = 6000 mg/kg as lead stearate. Chronic: May cause lead intoxication if the lead concentration in the blood is greater than 60 ug/dl. Carcinogenicity: IARC Monographs - Group 2b (tribasic lead sulphate) supplement 7.

SECTION 12: ECOLOGICAL INFORMATION

Unavailable

SECTION 13: DISPOSAL CONSIDERATIONS

Consult an expert on the disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations.

SECTION 14: TRANSPORT INFORMATION (BY SEA)

IMO Not regulated as a hazardous material.

IATA Not regulated as a hazardous material.

RID/ADR Not regulated as a hazardous material.

SECTION 15: REGULATORY INFORMATION

Unavailable

SECTION 16: OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if the company has been advised of the possibility of such damages.