SECTION 1: IDENTIFICATION

Product Name: Trimellitic Anhydride

CAS Number: 552-30-7

Chemical Name: Benzene-1,2,4-tricarboxylic anhydride

Synonyms: Benzene-1,2,4-tricarboxylic anhydride

Uses: Laboratory chemicals, Manufacture of substances, Not for drug or household use.

Company
Silver Fern Chemical, Inc.
2226 Queen Anne Avenue North
Suite #C
Seattle WA 98109, USA

Business Contact
Customer Service: 1-866-282-3384
info@silverfernchemical.com

24 Hour Emergency Contact
Infotrac 800-535-5053
Outside USA & Canada 352-323-3500

SECTION 2: HAZARD IDENTIFICATION

Danger

Hazard statement(s)
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.

Precautionary statement(s)
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.  
P285 In case of inadequate ventilation wear respiratory protection.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/ physician.  
P330 Rinse mouth.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.  

Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Content (W/W)</th>
<th>Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>552-30-7</td>
<td>&lt;= 100%</td>
<td>Trimellitic anhydride</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

General advice  
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled  
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact  
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact  
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed  
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: 227 °C (441 °F) - closed cup

Lower/Upper explosion limit:  
Upper explosion limit: 7 %(V)  
Lower explosion limit: 1 %(V)

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures  
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
For personal protection see section 8.
Environmental precautions
Do not let product enter drains.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Store under inert gas. Moisture sensitive.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits:
ACGIH TLV (TWA): 0.0005 mg/m³ (IFV)
ACGIH TLV (STEL): 0.002 mg/m³ (IFV)

Appropriate engineering controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal protective equipment

Respiratory protection: Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Hand protection: Wear protective gloves.
Eye protection: Safety glasses.
Skin and body protection: Lab coat.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Form: Solid Crystal - Powder - white to pale yellow
Odor
Odorless
Odor Threshold
no data available
pH
no data available
Melting point/freezing Point
166°C (331°F)
Initial boiling point and boiling range
245°C (473°F)/1.9kPa
Flash point
227 °C (441 °F) - closed cup
Evaporation rate
no data available
Flammability (solid, gas)
no data available
Upper/lower flammability or explosive limits
Upper explosion limit: 7 %(V)
Lower explosion limit: 1 %(V)
Vapor pressure: 0.1x10^{-6} Pa /25°C
Vapor density: 6.6
Water solubility: no data available
Partition Coefficient: Log $P_{ow}$ 1.95
Auto-ignition temperature: no data available
Decomposition temperature: no data available

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid: Exposure to moisture. Moisture sensitive.

Substances to avoid: Oxidizing agents

Hazardous reactions: No hazardous reactivity has been reported.

Decomposition products: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity
LD50 Oral - Mouse - 1,900 mg/kg
Remarks: Lungs, Thorax, or Respiration:Dyspnea.
Dermal: No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
May cause respiratory irritation.

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available
Additional Information
RTECS: DC2050000
Cough, Shortness of breath, Headache, Nausea
Stomach - Irregularities - Based on Human Evidence

SECTION 12: ECOLOGICAL INFORMATION

- Bioaccumulative potential (BCF): No data available
- Mobility in soil: No data available
- Partition coefficient: 1.95
- n-octanol/water (log Pow)
  Soil adsorption (Koc): No data available
- Henry's Law:
  constant (PaM3/mol) No data available

SECTION 13: DISPOSAL CONSIDERATIONS

- Waste disposal of substance: Recycle to process if possible. It is the generator’s responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.

- Container disposal: Dispose of as unused product. Do not re-use empty containers.

- Other considerations: Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: TRANSPORT INFORMATION

- DOT (US)
  Not dangerous goods

- IMDG
  Not dangerous goods

- IATA
  Not dangerous goods

  This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

- Toxic Substance Control Act (TSCA 8b.):
  This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

- US Federal Regulations
  CERCLA Hazardous substance and Reportable Quantity:
    SARA 313: Not Listed
    SARA 302: Not Listed
State Regulations
State Right-to-Know
Massachusetts Not Listed
New Jersey Not Listed
Pennsylvania Not Listed
California Proposition 65: Not Listed

Other Information

NFPA Rating:
Health: 2
Flammability: 1
Instability: 0

HMIS Classification:
Health: 2
Flammability: 1
Physical: 0

International Inventories
WHMIS hazard class:
E: Corrosive material.
D2B: Materials causing other toxic effects. (Toxic)
EC-No: 209-008-0

SECTION 16: OTHER INFORMATION

DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.

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