1. Identification

Product name: MOISTURE ELIMINATOR CHAR 8.1OZ
Synonyms: -
CAS #: See section 3
Product code: -
Product use: HOME USE.
Manufacturer/Supplier:
   Manufacturer: ZHUHAI HERMESIN ENTERPRISES CO., LTD
   Manufacturer Address: Building 4, No. 106, Guangxin Road, Pingsha Town, Zhuhai, Guangdong, China
   Contact person (E-mail): gm@hsunx.com; yin@hsunx.com
   Supplier: ZHUHAI HERMESIN ENTERPRISES CO., LTD.
   Supplier Address: Building 4, No. 106, Guangxin Road, Pingsha Town, Zhuhai, Guangdong, China
   Contact person (E-mail): -
   Telephone: +86-756-7751122
   Fax: -
   Emergency telephone Number: +86-756-8605108

2. Hazard(s) identification

GHS classification
   Physical hazards: Not classified
   Health hazards:
      Acute toxicity-oral Category 4
      serious eye damage/eye irritation Category 2A
   Environmental hazards: Not classified

GHS label elements
   Hazard Pictograms

   Signal word: Warning
   Hazard statement:
      Harmful if swallowed.
      Causes serious eye irritation.

Precautionary statement
   Prevention:
      Wash thoroughly after handling.
      Do not eat, drink or smoke when using this product.
      Wear eye protection/face protection.
   Response:
      If swallowed: Call a poison center/doctor if you feel unwell.
      If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Rinse mouth.
If eye irritation persists: Get medical advice/attention.

Storage
Not applicable.

Disposal
Dispose of contents/container in corroding with local regulation.

3. Composition / information on ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS#</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Chloride Dihydrate</td>
<td>10035-04-8</td>
<td>99.3%</td>
</tr>
<tr>
<td>Activated Charcoal</td>
<td>64365-11-3</td>
<td>0.7%</td>
</tr>
</tbody>
</table>

4. First-aid Measures

First aid procedures

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin contact
Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Inhalation
Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. DO NOT use mouth-to-mouth respiration.

Ingestion
Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Notes to physician
Treat symptoms.

5. Fire-fighting measures

Flammable properties
Not available.

Extinguishing media

Suitable extinguishing media
Substance is noncombustible; use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media
Not available.

Firefighting equipment/instructions
In case of fire and/or explosion do not breathe dust. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Dispose of contaminated extinction water according to official regulations.

Hazardous combustion products
Chlorine, irritating and toxic fumes and gases.

6. Accidental release measures

Personal precautions
Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of dust accumulating to form explosive concentrations. Dust can accumulate in low areas. For personal protection see section 8.

Environmental precautions
Do not let product enter drains.

Methods for cleaning up
Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty
7. Handling and storage

Handling
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Do not get on skin or in eyes. Do not ingest or inhale. Wash clothing before reuse. For precautions see section 2.2.

Storage
Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

8. Exposure controls / personal protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

<table>
<thead>
<tr>
<th>Source</th>
<th>Ingredient</th>
<th>TWA</th>
<th>STEL</th>
<th>Peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>US OSHA Permissible Exposure Levels (PELs)</td>
<td>Activated Charcoal</td>
<td>5 mg/m3 /15 mg/m3</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

EMERGENCY LIMITS:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TEEL-1</th>
<th>TEEL-2</th>
<th>TEEL-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Chloride Dihydrate</td>
<td>7.4 mg/m3</td>
<td>81 mg/m3</td>
<td>490 mg/m3</td>
</tr>
<tr>
<td>Calcium Chloride Dihydrate</td>
<td>3 mg/m3</td>
<td>33 mg/m3</td>
<td>200 mg/m3</td>
</tr>
<tr>
<td>Calcium Chloride Dihydrate</td>
<td>4.9 mg/m3</td>
<td>54 mg/m3</td>
<td>330 mg/m3</td>
</tr>
<tr>
<td>Calcium Chloride Dihydrate</td>
<td>5 mg/m3</td>
<td>55 mg/m3</td>
<td>330 mg/m3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Original IDLH</th>
<th>Revised IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Chloride Dihydrate</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Activated Charcoal</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Exposure controls:

Appropriate engineering controls: Use in a well-ventilated area.

Individual protection measures, such as personal protective equipment:

- **Eye / face protection**: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- **Skin protection**: Wear impervious gloves and appropriate protective clothing to minimize contact with skin.
- **Respiratory protection**: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.
- **General hygiene considerations**: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical and chemical properties

Appearance

- **Physical state**: Solid
- **Form**: Beads
- **Color**: White and black mixed

Material name: MOISTURE ELIMINATOR CHAR 8.1OZ
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>5.0 - 8 at 147 g/l at 25 °C</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>0.01hPa at 20 °C</td>
</tr>
<tr>
<td>Melting point/Freezing point</td>
<td>176°C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>1600°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Soluble</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Not available</td>
</tr>
<tr>
<td>Density</td>
<td>1.85 g/cm³ (20 °C)</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC</td>
<td>Not available</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>Not available</td>
</tr>
<tr>
<td>Other data</td>
<td>Viscosity: Not available</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

**Chemical stability**

Material is stable under normal conditions.

**Conditions to avoid**

Incompatible materials.

**Incompatible materials**

Incompatible with boric oxide + calcium oxide, and bromine trifluoride; react with zinc to form explosive hydrogen gas; catalyzes exothermic polymerization of vinyl ether; explodes at room temperature when added to furan-2-peroxycarbolic acid; and undergoes an exothermic (heat-producing) reaction with water.

**Hazardous decomposition products**

Chlorine, irritating and toxic fumes and gases.

**Possibility of hazardous reactions**

No decomposition when used as directed.

11. Toxicological information

**Toxicokinetics, metabolism and distribution:**

**Non-human toxicological data:** Not available

**Information on toxicological effects:**

**Acute toxicity:**

LD₅₀(Oral, Rat): Not available

LD₅₀(Dermal, Rabbit): Not available

LC₅₀(Inhalation, Rat): Not available

Skin corrosion/Irritation: Not classified.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: Not classified.
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT - single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

12. Ecological information

Toxicity:

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Time</th>
<th>Species</th>
<th>Method</th>
<th>Evaluation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50</td>
<td>N/A</td>
<td>96h</td>
<td>Fish</td>
<td>OECD 203</td>
<td>N/A</td>
</tr>
<tr>
<td>EC50</td>
<td>N/A</td>
<td>48h</td>
<td>Daphnia</td>
<td>OECD 202</td>
<td>N/A</td>
</tr>
<tr>
<td>EC50</td>
<td>N/A</td>
<td>72h</td>
<td>Algae</td>
<td>OECD 201</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Persistence and degradability: Not available.
Bioaccumulative potential: Not available.
Mobility in soil: The product is soluble in water.
Results of PBT&vPvB assessment: Not available.
Other adverse effects: No known significant effects or critical hazards.

13. Disposal considerations

Disposal instructions: Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Basic shipping requirements:
UN number: Not regulated
Proper shipping name: Not regulated
Hazard class: Not regulated
Packing group: Not regulated
Environmental hazards: No

IATA

UN number: Not regulated
UN proper shipping name: Not regulated
Transport hazard class(es): Not regulated
Packing group: Not regulated
Environmental hazards: No

IMDG

UN number: Not regulated
UN proper shipping name: Not regulated
Transport hazard class(es)  Not regulated
Packing group  Not regulated
Environmental hazards  No

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Regulatory Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Chloride Dihydrate (10035-04-8)</td>
<td>&quot;US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory&quot; List.</td>
</tr>
<tr>
<td>Activated Charcoal (64365-11-3)</td>
<td>&quot;US - Idaho - Limits for Air Contaminants&quot; List.</td>
</tr>
<tr>
<td></td>
<td>&quot;US - Hawaii Air Contaminant Limits&quot; List.</td>
</tr>
<tr>
<td></td>
<td>&quot;US - Alaska Limits for Air Contaminants&quot; List.</td>
</tr>
<tr>
<td></td>
<td>&quot;US ACGIH Threshold Limit Values (TLV)&quot; List.</td>
</tr>
<tr>
<td></td>
<td>&quot;US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory&quot; List.</td>
</tr>
<tr>
<td></td>
<td>&quot;US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants&quot; List.</td>
</tr>
</tbody>
</table>

16. Other information, including date of preparation or last revision

HMIS® ratings

- Health: 2
- Flammability: 1
- Physical hazard: 0

NFPA ratings

- Health: 2
- Flammability: 1
- Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

Issue date

03-13-2019