1. Chemical Product and Company Identification

Product Name: PacEndo™ EDTA

Contact Information:

PAC-DENT INTERNATIONAL, INC.
670 ENDEAVOR CIRCLE
BREA, CA 92821
Telephone: 909-839-0888
Hours: Mon.-Fri. 9:00 am. - 5:30 pm. P.S.T.

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Serious eye damage/eye irritation Category 2A
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements

Signal word Warning
Hazard statement Causes serious eye irritation.
Precautionary statement
Prevention Wash thoroughly after handling. Wear eye/face protection.
Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage Store away from incompatible materials.
Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Substances

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Ethylenedinitrilo)tetraacetic Acid Disodium</td>
<td></td>
<td>6381-92-6</td>
<td>90 - 100</td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
### Safety Data Sheet

according to 91/155/EEC

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>Rinse skin with water/shower. Get medical attention if irritation develops and persists.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. None known.</td>
</tr>
<tr>
<td>Most important symptoms/effects, acute and delayed</td>
<td></td>
</tr>
<tr>
<td>Indication of immediate medical attention and special treatment needed</td>
<td>Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.</td>
</tr>
<tr>
<td>General information</td>
<td>Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.</td>
</tr>
</tbody>
</table>

### 5. Fire-fighting measures

| Suitable extinguishing media | Foam. Dry chemical powder. Carbon dioxide (CO2). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. Water. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use water spray to cool unopened containers. |
| Fire-fighting equipment/instructions | Use standard firefighting procedures and consider the hazards of other involved materials. |
| Specific methods | No unusual fire or explosion hazards noted. |

### 6. Accidental release measures

| Personal precautions, protective equipment and emergency procedures | Keep upwind. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear a dust mask if dust is generated above exposure limits. |
| Methods and materials for containment and cleaning up | Avoid dust formation. Collect dust using a vacuum cleaner equipped with HEPA filter. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Prevent entry into waterways, sewer, basements or confined areas. |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

### 7. Handling and storage

| Precautions for safe handling | Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes. Wear appropriate personal protective equipment. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands thoroughly after handling. Avoid release to the environment. |
| Conditions for safe storage, including any incompatibilities | Store in a well-ventilated place. Keep container tightly closed. Guard against dust accumulation of this material. Store away from incompatible materials (see Section 10 of the SDS). |
8. Exposure controls/personal protection

Occupational exposure limits
No exposure limits noted for ingredient(s).

Biological limit values
No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls
Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles). Avoid contact with eyes. Use tight fitting goggles if dust is generated.

Skin protection

Hand protection
Wear appropriate chemical resistant gloves.

Other
Wear suitable protective clothing.

Respiratory protection
Wear respirator with dust filter.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH</td>
<td>7.5</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available</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>Vapor pressure</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>
</tbody>
</table>

10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Conditions to avoid
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Contact with incompatible materials.

Incompatible materials
Strong oxidizing agents. Metals.

Hazardous decomposition products
Carbon oxides. Nitrogen oxides (NOx).

11. Toxicological Information

Likely Routes of Exposure
Dermal (Eye), Ingestion

Hazardous Component
Sodium Xylenesulphonate, Tetrasodium Ethylene Diamine Tetraacetate

Toxicity
The severity of the tissue damage is a function of its concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur. This material is a strong irritant and is corrosive to the eyes, and mucous membranes.
Safety Data Sheet
according to 91/155/EEC

Eye Contact: irritation, pain, swelling, lacrimation, or photophobia persist.
Skin Contact: essentially nonirritating to skin.
Ingestion: may cause irritation to digestive tract.
Inhalation: not a likely route of exposure.

Sensitization: not a sensitizer.
Carcinogenicity: does not contain any substances classified as carcinogens by NTP, ACGIH, IARC or OSHA.
Mutagenicity: not mutagenic.
Reproductive Toxicity: not toxic for reproduction nor is this product tetrogenic.

12. Ecological Information

Ecotoxicity: No data.
Persistence / Degradability: This material degrades rapidly in the environment.
Bioaccumulative Potential: will not bioconcentrate in fish and aquatic organisms nor will it adsorb to sediment and suspended organic matter.
Mobility in Soil: moderate to high mobility in soil.
Other Adverse Effects: none known.
This product does not contain persistent, bioaccumulative and toxic chemicals (PBT’s) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB’s).

13. Disposal Considerations

Disposal: Dispose of in accordance with federal, state and local regulations. Additional Disposal Considerations: Dispose if shelf-life has been exceeded.

14. Transport Information

Restrictions: Non-hazardous material / Not regulated.

15. Regulatory Information

SARA Sections 302 and 304: This product does not contain Extremely Hazardous Substances (EHS) and is not subject to emergency planning requirements.
CERCLA: This product does not contain CERCLA Hazardous Substances and is not subject to reporting requirements. SARA Section 313:
Tetrasodium Ethylene Diamine Tetraacetate (EDTA) CAS #: 64-02-8 17%w/w

International Inventories:
US (TSCA): The components within this product are included on the TSCA Inventory of Chemical Substances.
Canada (DSL): All ingredients are on the inventory or exempt from listing.
European Union (EINECS): All ingredients conform to the EU requirements.
Japan (ENCS): All other ingredients are on the inventory or exempt from listing.
Philippines (PICCS): All other ingredients are on the inventory or exempt from listing.
South Korea (KECL): All other ingredients are on the inventory or exempt from listing.
Australia (AICS): All other ingredients are on the inventory or exempt from listing.
New Zealand (NZIoC): All other ingredients are on the inventory or exempt from listing.
China (IECSC): All other ingredients are on the inventory or exempt from listing.

California Proposition 65: There are no chemicals within this mixture on the Proposition 65 List.

Canadian Regulations require the inclusion of the following statements under “Regulatory Information”: This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
16. Other Information

National Fire Protection Association (NFPA) Ratings (estimated): This information is intended solely for the use of individuals trained in the NFPA system.

Health: 0
Flammability: 0
Reactivity: 0

Disclaimer: 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. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Pac-Dent International Inc. Products 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, howsoever arising, even if Pac-Dent International Inc. Products has been advised of the possibility of such damages.