This SDS packet was issued with item:
072801215

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

072804912 072804920 072805760

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

072801207
IDENTITY

1.1 Product Trade Name : Vitapex
1.2 Product Use : Root Canal Filling Material

SECTION 1

1.3 Manufacturer / Importer : Neo Dental International Inc.
1.4 Address : 2505 South 320th Street, Suite #250
              Federal Way, Wa 98003
1.5 Emergency Phone Number : 1-800-720-0096
1.6 Customer Service Number : 1-253-946-0814
1.7 Date Prepared : Jan. 10, 2003

SECTION 2 - Hazardous Ingredients

2.1 Hazardous Ingredient : Iodoform
2.2 PEL/TLV : 25mg/m3 (Iodine Fume)
2.3 DOT Hazard Classification : None
2.4 WHMIS Classification : None

SECTION 3 – Physical / Chemical Characteristics

3.1 Boiling Point : N/A
3.2 Vapor Point : N/A
3.3 Evaporation Point : N/A
3.4 Odor : None
3.5 Specific Gravity : N/A
3.6 Vapor Density : N/A
3.7 Melting Point : 100c
3.8 Solubility In Water : Low
3.9 Appearance : Yellow Paste

SECTION 4 – Fire and Explosion Hazard Data

4.1 Flash Point : None
4.2 Flammable Limits : N/A
4.3 Autoignition Temperature : N/A
4.4 Extinguishing Media : Water. Use any means suitable for extinguishing surrounding fire.
4.5 Special Fire Fighting Procedures : Positive pressure, self contained breathing apparatus.
4.6 Unusual Fire and Explosion Hazards : None

SECTION 5 – Reactivity Data

5.1 Stability : Stable
5.2 Conditions to Avoid (Stability) : Natural Light, excessive heat and humidity
5.3 Incompatibility : Strong oxidizing agents
5.4 Hazardous Decomposition or Byproducts : Iodine
5.4 Hazardous Decomposition or Byproducts : Iodine fumes when heated to decomposition
5.5 Hazardous Polymerization : Will not occur
5.6 Conditions to Avoid (Polymerization) : None
SECTION 6 – Health Hazard Data

6.1 Summary of Acute Hazards: Minimal health hazard under normal conditions of use. Not known to cause significant health problems.

6.2 Route of Exposure: Inhalation, Eye contact, Skin absorption, Skin contact – N/A, Indigestion – Yes

6.3 Signs and Symptoms of Exposure: None Known

6.4 Summary of Chronic Hazards: Not Known to cause significant health problems.

6.4.1 Carcinogenity: NTP - N/A, IARC Monographs – N/A, OSHA regulated – No

6.4.2 Teratogenicity: None Known

6.4.3 Mutagenicity: None Known

6.4.4 Reproductive Toxicity: None Known

6.5 Medical Conditions: None Known

6.6 Emergency First Aid Procedures: Not required

SECTION 7 – Precautions for Safe Handling & Use

7.1 Handling and Storage: Keep in closed container stored in a cool, dry, ventilated area. Avoid exposure to natural light and heat over 38 degrees.

7.2 Steps to be Taken if Material is released or spilled: Wear gloves. Pick up spilled materials and place spilled materials in container for disposal.

7.3 Waste Disposal Method: Follow all government regulations

7.4 Other Precautions: Wash hands after use. Store away from food.

SECTION 8 – Control Measures

8.1 Respiratory Protection: Not necessary under normal conditions

8.2 Ventilation: No special ventilation required

8.3 Protective Gloves: Impervious gloves recommended

8.4 Eye Protection: Chemical safety gloves are recommended

8.5 Other Protective Clothing or Equipment: Common uniform and equipment

8.6 Work / Hygienic Practices: Use normal care when working with chemicals.
1. Product & Company Identification

A. Product Name
Diapex

B. Purpose of Use & Restrictions on Use
Purpose of Use
Temporary Filling material for infected root canals
Restrictions on Use
For dental professionals only

C. Company Information
Company Name
DiaDent Group International
Address
16 Osongsaengmyeong 4-ro, Osong-eup, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Republic of Korea
28161
Emergency Contact Number
82-43-266-2315

2. Hazard Identification

A. GHS Classification
Serious Eye Damage/Eye Irritation: Category 1
Serious skin corrosion/skin Irritation: Category 1

B. GHS Label elements including precautionary statements
Pictograms

Signal Words
DANGER
Hazard Statement(s)
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage

Precautionary Statement(s)
Prevention
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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
C. Other hazards (according to the NFPA Rating System)

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

3. Composition & Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Common Name</th>
<th>CAS Number</th>
<th>% Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iodoform</td>
<td>TRIODOMETHANE</td>
<td>75-47-8</td>
<td>&lt;40%</td>
</tr>
<tr>
<td>Calcium Hydroxide</td>
<td>HYDRATED LIME</td>
<td>1305-62-0</td>
<td>&lt;30%</td>
</tr>
<tr>
<td>Oil Derivatives</td>
<td>-</td>
<td>-</td>
<td>&lt;30%</td>
</tr>
</tbody>
</table>

4. First Aid Measures

A. Eyes
Get medical aid immediately if discomfort or irritation persists.

B. Skin
Consult a physician immediately if you feel discomfort.

C. Inhalation
Remove patient from exposure to fresh air immediately. Administer approved oxygen supply if breathing is difficult and get medical aid immediately.

D. Ingestion
Seek immediate medical help.

E. Notes to Physicians
Have a comprehensive understanding of the chemical and treat symptomatically and supportively.

5. Fire Fighting Measures

A. Appropriate Extinguishing Media
To extinguish a fire caused by or related to this chemical, use alcohol-resistant foam, Carbon Dioxide (CO₂), or water spray. Use dry sand or soil to smother the fire.

B. Specific hazard arising from the chemical
Toxic gases can be produced due to pyrolysis or combustion process.

C. Special protective equipment & Precautions for firefighters
Fire-fighters should wear appropriate protective equipment. Stay a safe distance away from the fire while extinguishing. If not dangerous, remove the container from the fire. To dispose of fire water, pour it into a spacious dug lot and make sure it is not spilled or scattered outward.

P310 Immediately call a POISON CENTER or doctor/physician
P321 Provide specific treatment according to the situation.
P363 Wash contaminated clothing before reuse
P405 Store locked up
P501 Dispose of contents/container according to the related regulations.
6. Accidental Release Measures

A. Protective equipment & Emergency procedures
Give special attention to chemical materials and conditions that must be avoided.

B. Environmental precautions
Prevent the inflow of this product to waterways, drains, basements, and confined spaces.

C. Purification / Removal Method
Dispose of the product as medical waste.

7. Handling & Storage

A. Safe handling
Follow all prevention measures on the SDS/labels. Handle and store with care.
Give special attention to chemical materials and conditions that must be avoided.
Wear personal protective equipment while handling the product.

B. Conditions for Safe Storage
Store in a cool, dry place. Avoid exposure to direct light and heat.

8. Exposure control & Personal protection

A. Exposure Limits for Chemical Substances & Biological Exposure Limits
N/A

B. System Design (Proper Engineering Controls)
N/A

C. Personal protective equipment
Respiratory protection
N/A
Eye protection
Protection glasses
Hand protection
Latex gloves
Skin & body protection
Lab coats

9. Physical & Chemical Properties

A. Appearance
Physical state
Paste
Color
Yellow

B. Odor
Slight odor of Iodoform

C. Odor threshold value
N/A

D. pH
N/A

E. Melting point/Freezing point
N/A

F. Initial boiling point & Boiling range
N/A

G. Flash point
N/A

H. Evaporation rate
N/A

I. Flammability (solid, gas)
N/A

J. Maximum / minimum of the flammable or explosive limits
N/A

K. Vapor pressure
N/A

L. Solubility
N/A

M. Vapor density
N/A

N. Relative density
1.9-2.0 g/cm³

O. Partition coefficient: n-Octanol/water
N/A

P. Auto-ignition temperature
N/A

Q. Decomposition temperature
N/A

R. Viscosity
N/A

S. Molecular weight
N/A
10. Stability & Reactivity

A. Chemical stability & Possibility of hazardous reactions
   Stable under suggested conditions of storage and use

B. Conditions to avoid
   Direct light, excessive heat, and humidity

C. Incompatible materials
   N/A

D. Hazardous decomposition or byproduct
   Iodine

11. Toxicological Information

A. Possible routes of exposure
   N/A

B. Information on harmful health effects
   (Symptoms related to the physical, chemical and toxicological characteristics)
   
   Acute toxicity
   Oral
   Dermal
   Inhalation
   Skin corrosion/Irritation
   Serious Eyes damage/Irritation
   Respiratory sensitization
   Skin sensitization
   Carcinogenicity
   Industrial Safety and Health Act
   Notification of the Ministry of Employment and Labor
   IARC
   OSHA
   ACGIH
   NTP
   EU CLP
   Germ cell mutagenicity
   Reproductive Toxicity
   Specific Target Organ Toxicity (Single Exposure)
   Specific Target Organ Toxicity (Repeated Exposure)
   Aspiration Toxicity
   N/A

12. Ecological information

A. Ecotoxicity
   Fish
   Shellfish
   Birds
   N/A

B. Persistence & Degradability
   Persistence
   Degradability
   N/A

C. Bioaccumulative potential
   Accumulation
   Biodegradability
   N/A

D. Mobility in soil
   N/A

E. Other adverse effects
   N/A
13. Disposal Considerations

A. Product Disposal
If stated in the Wastes Control Act, dispose of the contents and container accordingly.

B. Precautions for Disposal
Dispose of the content according to the related regulations.

14. Transport Information

A. UN Number
Classification information on transportation of hazardous materials not available

B. Proper shipping name
N/A

C. Hazard class
N/A

D. Packing Group
N/A

E. Marine pollutant
N/A

F. Any special precautions which an user should be aware of or needs to comply with, in connection with transport or conveyance either within or outside their premises (Special precautions which a user needs to be aware of or needs to comply outside their premises with in connection with transport or conveyance either within or outside their premises)
Emergency procedures in case of fire N/A
Emergency procedures in case of spill/leak N/A

15. Regulatory Information

A. Regulations according to the Industrial Safety and Health Act
N/A

B. Regulations according to the Toxic Chemicals Control Act
N/A

C. Regulations according to the Safety Control of Dangerous Substances Act
N/A

D. Regulations according to the Wastes Control Act
N/A

E. Other regulations according to domestic and foreign laws
- Follow the regulations of the KFDA (Korea Food & Drug Administration).
- Follow the regulations of the Directive 93/42/EEC and 2007/42/EC.

16. Other Information

A. Source of Data
N/A

B. Date of Creation
07 / 21 / 2014

C. Revision Number and Revision Date
Revision Number 1
Date of Last Revision 03 / 28 /2017

The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate and reliable. It is intended to describe the product according to various safety requirements; however, the manufacturer makes no warranty with respect to the accuracy and completeness of the information or the suitability of the recommendation and assumes no liability to any user thereof.